

=> d his

(FILE 'HOME' ENTERED AT 15:11:54 ON 05 DEC 2003)

FILE 'MEDLINE' ENTERED AT 15:12:04 ON 05 DEC 2003

E WEBSTER R/AU

E WEBSTER M K/AU

L1 19 S E3
L2 6 S "AGK"/TI
L3 0 S L1 AND L2
L4 53 S "SGK"/TI
L5 1 S L1 AND L4
E WALDEGER S/AU
L6 49 S ANISOTONIC/TI
L7 68 S E8
L8 1 S L6 AND L7

FILE 'HOME' ENTERED AT 15:22:07 ON 05 DEC 2003

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 15:54:36 ON 05 DEC 2003

L9 2835796 S SERUM OR GLUCOCORTICOID
L10 12934 S L9 (5W) KINASE?
L11 7514 S HUMAN AND L10
L12 40 S "H-SGK"
L13 7531 S L11 OR L12
L14 5444306 S CLONM? OR EXPRESS? OR RECOMBINANT
L15 6261292 S CLON? OR EXPRESS? OR RECOMBINANT
L16 1008 S L13 AND L15
L17 20 DUP REM L12 (20 DUPLICATES REMOVED)
L18 10065 S L9 (2W) KINASE?
L19 184 S HUMAN(A) L18
L20 166 DUP REM L19 (18 DUPLICATES REMOVED)
E LANG F/AU
L21 3150 S E3
E WALDEGGER S/AU
L22 488 S E3-E7
L23 3321 S L21 OR L22
L24 35 S L23 AND L12
L25 16 DUP REM L24 (19 DUPLICATES REMOVED)

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present
NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
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NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
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NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 12 SEP 29 DISSABS now available on STN
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NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16 NOV 24 MSDS-CCOHS file reloaded

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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FILE 'HOME' ENTERED AT 15:11:54 ON 05 DEC 2003

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 15:12:04 ON 05 DEC 2003

FILE LAST UPDATED: 2 DEC 2003 (20031202/UP). FILE COVERS 1958 TO DATE.

On April 13, 2003, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2003 vocabulary. See <http://www.nlm.nih.gov/mesh/changes2003.html> for a description on changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e webster r/au

E1	1	WEBSTER PHILIP/AU
E2	1	WEBSTER PREMILA/AU
E3	81 -->	WEBSTER R/AU
E4	89	WEBSTER R A/AU
E5	5	WEBSTER R B/AU
E6	74	WEBSTER R C/AU
E7	1	WEBSTER R D/AU
E8	85	WEBSTER R E/AU
E9	449	WEBSTER R G/AU
E10	20	WEBSTER R G JR/AU
E11	1	WEBSTER R I/AU
E12	3	WEBSTER R J/AU

=> e webster m k/au

E1	49	WEBSTER M J/AU
E2	1	WEBSTER M JR/AU
E3	19 -->	WEBSTER M K/AU
E4	7	WEBSTER M L/AU
E5	2	WEBSTER M M/AU
E6	1	WEBSTER M M JR/AU
E7	1	WEBSTER M N/AU
E8	1	WEBSTER M P/AU
E9	4	WEBSTER M R/AU
E10	4	WEBSTER M S/AU
E11	23	WEBSTER M T/AU
E12	140	WEBSTER M W/AU

=> s e3

L1 19 "WEBSTER M K"/AU

=> s "agk"/ti

L2 6 "AGK"/TI
(("AGK" OR "AGKS")/TI)

=> s l1 and l2

L3 0 L1 AND L2

=> s "sgk"/ti

L4 53 "SGK"/TI
(("SGK" OR "SGKS")/TI)

=> s l1 and l4

L5 1 L1 AND L4

=> d ibib

L5 ANSWER 1 OF 1

MEDLINE on STN

ACCESSION NUMBER: 93204949 MEDLINE

DOCUMENT NUMBER: 93204949 PubMed ID: 8455596

TITLE: Characterization of **sgk**, a novel member of the serine/threonine protein kinase gene family which is

transcriptionally induced by glucocorticoids and serum.
 AUTHOR: Webster M K; Goya L; Ge Y; Maiyar A C; Firestone
 G L
 CORPORATE SOURCE: Department of Molecular and Cell Biology, University of
 California, Berkeley 94720.
 CONTRACT NUMBER: CA-05388 (NCI)
 CA-09041 (NCI)
 SOURCE: MOLECULAR AND CELLULAR BIOLOGY, (1993 Apr) 13 (4) 2031-40.
 Journal code: 8109087. ISSN: 0270-7306.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-L01624
 ENTRY MONTH: 199304
 ENTRY DATE: Entered STN: 19930507
 Last Updated on STN: 20020420
 Entered Medline: 19930420

=> e waldeger s/au

E1 3 WALDEE J K/AU
 E2 1 WALDEFEVON D E R/AU
 E3 0 --> WALDEGER S/AU
 E4 1 WALDEGGER L/AU
 E5 1 WALDEGGER L S/AU
 E6 3 WALDEGGER LISA/AU
 E7 2 WALDEGGER M/AU
 E8 68 WALDEGGER S/AU
 E9 7 WALDEGGER SIEGFRIED/AU
 E10 10 WALDEGRAVE W/AU
 E11 1 WALDEIER H/AU
 E12 1 WALDEISEN L E/AU

=> s anisotonic/ti

L6 49 ANISOTONIC/TI
 ((ANISOTONIC OR ANISOTONICS)/TI)

=> s e8

L7 68 "WALDEGGER S"/AU

=> s l6 and l7

L8 1 L6 AND L7

=> d ibib

L8 ANSWER 1 OF 1 MEDLINE on STN
 ACCESSION NUMBER: 97272242 MEDLINE
 DOCUMENT NUMBER: 97272242 PubMed ID: 9114008
 TITLE: Cloning and characterization of a putative human
 serine/threonine protein kinase transcriptionally modified
 during anisotonic and isotonic alterations of
 cell volume.
 AUTHOR: Waldegger S; Barth P; Raber G; Lang F
 CORPORATE SOURCE: Physiologisches Institut I der Eberhard-Karls-Universitat,
 D-72076 Tubingen, Germany.
 SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE
 UNITED STATES OF AMERICA, (1997 Apr 29) 94 (9) 4440-5.
 Journal code: 7505876. ISSN: 0027-8424.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-Y10032

ENTRY MONTH: 199705
ENTRY DATE: Entered STN: 19970609
Last Updated on STN: 20020420
Entered Medline: 19970527

=> file home

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.78	6.99

FULL ESTIMATED COST

FILE 'HOME' ENTERED AT 15:22:07 ON 05 DEC 2003

=>

=>

=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci ntis lifesci

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.34	18.33

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 15:54:36 ON 05 DEC 2003

FILE 'EMBASE' ENTERED AT 15:54:36 ON 05 DEC 2003

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=> s serum or glucocorticoid

L9 2835796 SERUM OR GLUCOCORTICOID

=> s l9 (5w) kinase?

L10 12934 L9 (5W) KINASE?

=> s human and l10

L11 7514 HUMAN AND L10

=> s "h-sgk"

L12 40 "H-SGK"

=> s l11 or l12

L13 7531 L11 OR L12

=> s clonm? or express? or recombinant

L14 5444306 CLONM? OR EXPRESS? OR RECOMBINANT

=> s clon? or express? or recombinant
6 FILES SEARCHED...

L15 6261292 CLON? OR EXPRESS? OR RECOMBINANT

=> s l13 and l15

L16 1008 L13 AND L15

=> dup rem l12

PROCESSING COMPLETED FOR L12

L17 20 DUP REM L12 (20 DUPLICATES REMOVED)

=> d 1-20 ibib ab

L17 ANSWER 1 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 2003:198707 SCISEARCH

THE GENUINE ARTICLE: 648BF

TITLE: Expression of the serum- and glucocorticoid-inducible protein kinase, Sgk, is a cell survival response to multiple types of environmental stress stimuli in mammary epithelial cells

AUTHOR: Leong M L L; Maiyar A C; Kim B; O'Keeffe B A; Firestone G L (Reprint)

CORPORATE SOURCE: Univ Calif Berkeley, Dept Mol & Cell Biol, 591 LSA, Berkeley, CA 94720 USA (Reprint); Univ Calif Berkeley, Dept Mol & Cell Biol, Berkeley, CA 94720 USA; Univ Calif Berkeley, Canc Res Lab, Berkeley, CA 94720 USA

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (21 FEB 2003) Vol. 278, No. 8, pp. 5871-5882.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.

ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 86

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB The effects of multiple stress stimuli on the cellular utilization of the serum- and glucocorticoid-inducible protein kinase (Sgk) were examined in NMuMg mammary epithelial cells exposed to hyperosmotic stress induced by the organic osmolyte sorbitol, heat shock, ultraviolet irradiation, oxidative stress induced by hydrogen peroxide, or to dexamethasone, a synthetic glucocorticoid that represents a general class of physiological stress hormones. Each of the stress stimuli induced Sgk protein expression with differences in the kinetics and duration of induction and in subcellular localization. The environmental stresses, but not dexamethasone, stimulated Sgk expression through a p38/ MAPK-dependent pathway. In each case, a hyperphosphorylated active Sgk protein was produced under conditions in which Akt, the close homolog of Sgk, remained in its non-phosphorylated state. Ectopic expression of wild type Sgk or of the T256D/S422D mutant Sgk that mimics phosphorylation conferred protection against stress-induced cell death in NMuMg cells. In contrast, expression of the T256A/S422A Sgk phosphorylation site mutant has no effect on cell survival. Sgk is known to phosphorylate and negatively regulate proapoptotic forkhead transcription factor FKHRL1. The environmental stress stimuli that induce Sgk, but not dexamethasone, strongly inhibited the nuclear transcriptional activity and increased the cytoplasmic retention of FKHRL1. Also, the conditional IPTG inducible expression of wild type Sgk, but not of the kinase dead T256A mutant Sgk, protected Con8 mammary epithelial tumor cells from serum starvation-induced apoptosis. Taken together, our study establishes that induction of enzymatically active Sgk functions as a key cell survival component in response to different environmental stress stimuli.

L17 ANSWER 2 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 2003:401550 SCISEARCH
 THE GENUINE ARTICLE: 674VM
 TITLE: Stimulus-dependent regulation of serum and glucocorticoid inducible protein kinase (SGK) transcription, subcellular localization and enzymatic activity
 AUTHOR: Firestone G L (Reprint); Giampaolo J R; O'Keeffe B A
 CORPORATE SOURCE: Univ Calif Berkeley, Dept Mol & Cell Biol, 591 LSA, Berkeley, CA 94720 USA (Reprint); Univ Calif Berkeley, Dept Mol & Cell Biol, Berkeley, CA 94720 USA; Univ Calif Berkeley, Canc Res Lab, Berkeley, CA 94720 USA
 COUNTRY OF AUTHOR: USA
 SOURCE: CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, (APR 2003) Vol. 13, No. 1, pp. 1-12.
 Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND.
 ISSN: 1015-8987.
 DOCUMENT TYPE: General Review; Journal
 LANGUAGE: English
 REFERENCE COUNT: 79

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB We originally discovered the serum and glucocorticoid inducible protein kinase, SGK, as a novel protein kinase that is under acute transcriptional control by serum and glucocorticoids. An expanding set of cell surface receptor, nuclear receptor, and cellular stress pathways has been shown to target SGK, which has implicated this regulated signaling molecule in a variety of biological functions. Compared to most other protein kinases, a distinguishing feature of SGK is the stringent stimulus-dependent regulation of its transcription, subcellular localization and enzymatic activity. In addition, SGK expression is regulated during discrete developmental stages, and during normal and abnormal physiological function. An analysis of the SGK promoter reveals many potential transcription factor sites that potentially account for the stimulus-dependent changes in SGK transcript expression observed in a variety of cell systems, although, the direct stimulus regulation of SGK promoter activity has been established only for glucocorticoids, p53 tumor suppressor protein, hyperosmotic stress and follicle stimulating hormone. In the systems tested to date, hormones, growth factors and environmental cues induce expression of a catalytically active SGK. It is now well established that the enzymatic activity of SGK is controlled by the PI 3-kinase cascade which produces a hyperphosphorylated active SGK. A critical third level of regulation is the stimulus-dependent control of SGK subcellular localization. The nuclear-cytoplasmic shuttling of SGK is regulated by a nuclear localization signal (NLS) that binds to the importin-alpha nuclear import receptor. Modeling of the 3-D structure of the central region of SGK that includes the kinase domain predicts that the MLS is located at an external surface of the molecule. Thus, multiple signal transduction pathways converge on SGK to control its availability, function and access to its substrates and nonsubstrate targets. Copyright (C) 2003 S. Karger AG, Basel.

L17 ANSWER 3 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 2002:246823 SCISEARCH
 THE GENUINE ARTICLE: 530ND
 TITLE: Cerebral localization and regulation of the cell volume-sensitive serum- and glucocorticoid-dependent kinase SGK1
 AUTHOR: Warntges S; Friedrich B; Henke G; Duranton C; Lang P A; Waldegger S; Meyermann R; Kuhl D; Speckmann E J; Obermuller N; Witzgall R; Mack A F; Wagner H J; Wagner C A; Broer S; Lang F (Reprint)
 CORPORATE SOURCE: Univ Tubingen, Inst Physiol, Gmelinstr 5, D-72076 Tubingen, Germany (Reprint); Univ Tubingen, Inst Physiol,

D-72076 Tubingen, Germany; Univ Tubingen, Dept Brain Res,
D-72076 Tubingen, Germany; Univ Hamburg, Zentrum Mol
Neurobiol, Hamburg, Germany; Univ Munster, Dept Physiol,
D-4400 Munster, Germany; Univ Heidelberg, Dept Anat,
D-6900 Heidelberg, Germany; Univ Tubingen, Dept Anat,
D-72076 Tubingen, Germany; Yale Univ, Dept Cellular & Mol
Physiol, New Haven, CT USA

COUNTRY OF AUTHOR: Germany; USA
SOURCE: PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, (FEB 2002)
Vol. 443, No. 4, pp. 617-624.
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY
10010 USA.
ISSN: 0031-6768.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 42

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB The serum- and glucocorticoid-dependent kinase SGK1 is regulated by alterations of cell volume, whereby cell shrinkage increases and cell swelling decreases the transcription, expression and activity of SGK1. The kinase is expressed in all human tissues studied including the brain. The present study was performed to localize the sites of SGK1 transcription in the brain, to elucidate the influence of the hydration status on SGK1 transcription and to explore the functional significance of altered SGK1 expression. Northern blot analysis of human brain showed SGK1 to be expressed in all cerebral structures examined: amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra, subthalamic nucleus and thalamus. In situ hybridization and immunohistochemistry in the rat revealed increased expression of SGK1 in neurons of the hippocampal area CA3 after dehydration, compared with similar slices from brains of euvoalaemic rats. Additionally, several oligodendrocytes, a few microglial cells, but no astrocytes, were positive for SGK1. The abundance of SGK1 mRNA in the temporal lobe, including hippocampus, was increased by dehydration and SGK1 transcription in neuroblastoma cells was stimulated by an increase of extracellular osmolarity. Co-expression studies in *Xenopus laevis* oocytes revealed that SGK1 markedly increased the activity of the neuronal K⁺ channel Kv1.3. As activation of K⁺ channels modifies excitation of neuronal cells, SGK1 may participate in the regulation of neuronal excitability.

L17 ANSWER 4 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
ACCESSION NUMBER: 2003:241577 SCISEARCH
THE GENUINE ARTICLE: 654HJ
TITLE: Activation of Na⁺/K⁺-ATPase by the serum and
glucocorticoid-dependent kinase isoforms
AUTHOR: Henke G; Setiawan I; Bohmer C; Lang F (Reprint)
CORPORATE SOURCE: Univ Tubingen, Inst Physiol, Gmelinstr 5, D-72076
Tubingen, Germany (Reprint); Univ Tubingen, Inst Physiol,
D-72076 Tubingen, Germany
COUNTRY OF AUTHOR: Germany
SOURCE: KIDNEY & BLOOD PRESSURE RESEARCH, (DEC 2002) Vol. 25, No.
6, pp. 370-374.
Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL,
SWITZERLAND.
ISSN: 1420-4096.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 49

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB Background/Aim: Expression of the constitutively active form of serum and glucocorticoid-dependent kinase ((S422D)SGK1) in *Xenopus* oocytes has recently been shown to upregulate endogenous Na⁺/K⁺-ATPase activity, an effect presumably participating in the regulation of cellular K⁺ uptake and transepithelial Na⁺ transport. SGK1 and the two isoforms SGK2 and SGK3

are stimulated by insulin and insulin-like growth factor-1 (IGF-1), which have been shown to enhance Na⁺/K⁺-ATPase activity in a variety of cells. The present experiments have been performed to elucidate whether or not wild-type SGK1, SGK2 and SGK3 are similar to (S422D)SGK1 in being effective regulators of Na⁺/K⁺-ATPase. Methods: To this end, dual-electrode voltage clamp experiments were performed in *Xenopus* oocytes injected either with water or with mRNA of constitutively active (S422D)SGK1 and wild-type SGK1, SGK2 or SGK3. Na⁺/K⁺-ATPase activity was estimated from the outward-directed current created by readmission of extracellular K⁺ in the presence of K⁺ channel blocker Ba²⁺ following a 10-min exposure to K⁺-free extracellular fluid. Results: The outward-directed current was fully abolished by incubation with 1 mM ouabain and was significantly larger in oocytes expressing (S422D)SGK1, SGK1, SGK2 or SGK3, as compared to those injected with water. Conclusion: The stimulating effect of SGK1 on the *Xenopus* oocyte Na⁺/K⁺-ATPase is mimicked by the isoforms SGK2 and SGK3. Thus, all three kinases may participate in the regulation of Na⁺/K⁺-ATPase activity by hormones such as insulin and IGF-1. Copyright (C) 2002 S. Karger AG, Basel.

L17 ANSWER 5 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 2002:289276 SCISEARCH
 THE GENUINE ARTICLE: 536XJ
 TITLE: Expression of the serine/threonine kinase hSGK1 in chronic viral hepatitis
 AUTHOR: Fillon S; Klingel K; Warntges S; Sauter M; Gabrysch S; Pestel S; Tanneur V; Waldegger S; Zipfel A; Viebahn R; Broer S; Kandolf R; Lang F (Reprint)
 CORPORATE SOURCE: Univ Tübingen, Inst Physiol, Dept Physiol, Gmelinstr 5, D-72076 Tübingen, Germany (Reprint); Univ Tübingen, Inst Physiol, Dept Physiol, D-72076 Tübingen, Germany; Univ Tübingen, Dept Mol Pathol, D-72076 Tübingen, Germany; Univ Düsseldorf, Dept Internal Med, D-4000 Düsseldorf, Germany; Univ Tübingen, Dept Surg, D-72076 Tübingen, Germany; Australian Natl Univ, Sch Biochem & Mol Biol, Canberra, ACT, Australia
 COUNTRY OF AUTHOR: Germany; Australia
 SOURCE: CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, (DEC 2002) Vol. 12, No. 1, pp. 47-54.
 Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND.
 ISSN: 1015-8987.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 37

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB The human serine/threonine kinase hSGK1 is expressed ubiquitously with highest transcript levels in pancreas and liver. This study has been performed to determine the hSGK1 distribution in normal liver and its putative role in fibrosing liver disease. HSGK1-localization was determined by in situ hybridization, regulation of hSGK1-transcription by Northern blotting, fibronectin synthesis and hSGK1 phosphorylation by Western blotting. In normal liver hSGK1 was mainly transcribed by Kupffer cells. In liver tissue from patients with chronic viral hepatitis, hSGK1 transcript levels were excessively high in numerous activated Kupffer cells and inflammatory cells localized within fibrous septum formations. HSGK1 transcripts were also detected in activated hepatic stellate cells. Accordingly, Western blotting revealed that tissue from fibrotic liver expresses excessive hSGK1 protein as compared to normal liver. TGF-beta1 (2 ng/ml) increases hSGK1 transcription in both human U937 macrophages and HepG2 hepatoma cells. H2O2 (0.3 mM) activated hSGK1 and increased fibronectin formation in HepG2 cells overexpressing hSGK1 but not in HepG2 cells expressing the inactive mutant hSGK1(K127R). In conclusion hSGK1 is upregulated by TGF-beta1 during hepatitis and may contribute to enhanced matrix formation during fibrosing liver disease. Copyright (C) 2002 S.

Karger AG, Basel.

L17 ANSWER 6 OF 20 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2002:74113 BIOSIS
DOCUMENT NUMBER: PREV200200074113
TITLE: Cell volume-regulated human kinase **h-sgk**
AUTHOR(S): Lang, Florian [Inventor, Reprint author]; Waldegger, Siegfried [Inventor]
CORPORATE SOURCE: Im Rotbad 52, 72076 Tübingen, Germany
PATENT INFORMATION: US 6326181 December 04, 2001
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Dec. 4, 2001) Vol. 1253, No. 1.
ftp://ftp.uspto.gov/pub/patdata/. e-file.
CODEN: OGPUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 16 Jan 2002
Last Updated on STN: 25 Feb 2002

AB The present invention relates to the cloning and characterization of a human serine/threonine kinase (**h-sgk**: serum and glucocorticoid dependent kinase). The invention furthermore relates to reagents for diagnosing conditions associated with a change in cell volume and/or in "macromolecular crowding" in the body, such as, for example, hypernatremia, hyponatremia, diabetes mellitus, renal failure, hypercatabolism, hepatic encephalopathy, inflammation and microbial or viral infections. The present invention additionally relates to pharmaceuticals comprising the **h-sgk**, nucleic acids which code for the **h-sgk**, or receptors, in particular antibodies, which specifically bind to the **h-sgk**.

L17 ANSWER 7 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
ACCESSION NUMBER: 2001:922107 SCISEARCH
THE GENUINE ARTICLE: 490MJ
TITLE: Cell volume regulatory mechanisms in progression of renal disease
AUTHOR: Warntges S; Grone H J; Capasso G; Lang F (Reprint)
CORPORATE SOURCE: Univ Tübingen, Inst Physiol, Gmelinstr 5, D-76072 Tübingen, Germany (Reprint); Univ Tübingen, Dept Physiol, Tübingen, Germany
COUNTRY OF AUTHOR: Germany
SOURCE: JOURNAL OF NEPHROLOGY, (SEP-OCT 2001) Vol. 14, No. 5, pp. 319-326.
Publisher: WICHTIG EDITORE, 72/74 VIA FRIULI, 20135 MILAN, ITALY.
ISSN: 1121-8428.
DOCUMENT TYPE: General Review; Journal
LANGUAGE: English
REFERENCE COUNT: 125

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB One of the striking morphological features of renal failure is an increase of cell volume. This review explores the role of cell volume regulatory mechanisms in the pathophysiology of progressive renal disease. The case is made that TGF-beta, a major cytokine involved in the development of progressive renal failure, upregulates the transcription of the serum and glucocorticoid-dependent kinase hSGK1, involved in cell volume regulation. Excessive extracellular glucose concentrations stimulate TGF-beta1 expression and thus similarly enhance hSGK1-transcription. The kinase stimulates two mechanisms important for cell volume regulation, i.e. the renal epithelial Na⁺ channel ENaC and the thick ascending limb Na⁺, K⁺, 2Cl⁻ cotransporter BSC1. On the one hand, stimulation of renal tubular transport leads to renal retention of Na⁺, which favours the development of hypertension. On the other, the increase of cell volume stimulates protein synthesis and inhibits protein

degradation, contributing to the enhanced net formation and deposition of matrix proteins. At later stages, the increase of cell volume may be reversed to atrophy, and cell death may lead to loss of functional tissue. In conclusion, progressive renal disease is paralleled by deranged cell volume regulatory mechanisms.

L17 ANSWER 8 OF 20 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:244741 BIOSIS
DOCUMENT NUMBER: PREV200100244741
TITLE: All three isoforms of human serum and glucocorticoid dependent kinase (**h-SGK**) upregulate voltage-gated potassium channels endogenously expressed in HEK293 cells.
AUTHOR(S): Fillon, S. [Reprint author]; Gamper, N. [Reprint author]; Huber, S. M. [Reprint author]; Feng, Y. X. [Reprint author]; Friedrich, B. [Reprint author]; Kobayashi, T.; Cohen, P.; Lang, F. [Reprint author]
CORPORATE SOURCE: Institute of Physiology, University of Tuebingen, Tuebingen, Germany
SOURCE: Pfluegers Archiv European Journal of Physiology, (2001) Vol. 441, No. 6 Supplement, pp. R182. print.
Meeting Info.: Joint Congress of the Scandinavian and the German Physiological Societies. Berlin, Germany. March 10-13, 2001.
CODEN: PFLABK. ISSN: 0031-6768.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 23 May 2001
Last Updated on STN: 19 Feb 2002

L17 ANSWER 9 OF 20 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:358201 BIOSIS
DOCUMENT NUMBER: PREV200100358201
TITLE: Association between inflammation and expression of human serine threonine kinase (**h-sgk**) in fetal and neonatal lung tissue.
AUTHOR(S): Speer, Christian P. [Reprint author]; Schmidt, Beate [Reprint author]; Cao, Lei [Reprint author]; Klingel, Karin; Mackensen-Haen, Susanne; Lang, Florian
CORPORATE SOURCE: University Children's Hospital, Wuerzburg, Germany
SOURCE: Biology of the Neonate, (May, 2001) Vol. 80, No. Supplement 1, pp. 35. print.
Meeting Info.: Proceedings of the 16th International Workshop on Surfactant Replacement. Edinburgh, Scotland. June 02-04, 2001.
CODEN: BNEOBV. ISSN: 0006-3126.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 2 Aug 2001
Last Updated on STN: 19 Feb 2002

L17 ANSWER 10 OF 20 LIFESCI COPYRIGHT 2003 CSA on STN
ACCESSION NUMBER: 2002:78612 LIFESCI
TITLE: Cell volume-regulated human kinase **h-sgk**
AUTHOR: Lang, F.; Waldegger, S.
SOURCE: (20011204) . US Patent: 6326181; US CLASS: 435/194; 424/94.5.
DOCUMENT TYPE: Patent
FILE SEGMENT: W3
LANGUAGE: English
SUMMARY LANGUAGE: English

AB The present invention relates to the cloning and characterization of a human serine/threonine kinase (**h-sgk**: serum and glucocorticoid dependent kinase). The invention furthermore relates to reagents for diagnosing conditions associated with a change in cell volume and/or in "macromolecular crowding" in the body, such as, for example, hypernatremia, hyponatremia, diabetes mellitus, renal failure, hypercatabolism, hepatic encephalopathy, inflammation and microbial or viral infections. The present invention additionally relates to pharmaceuticals comprising the **h-sgk**, nucleic acids which code for the **h-sgk**, or receptors, in particular antibodies, which specifically bind to the **h-sgk**.

L17 ANSWER 11 OF 20 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:756527 HCAPLUS

DOCUMENT NUMBER: 133:325643

TITLE: Antifibrotic formulations containing inhibitors of cell-volume-regulated human kinase **h-sgk**

INVENTOR(S): Lang, Florian; Waldegger, Siegfried; Wagner, Carsten; Broer, Stefan; Klingel, Karin

PATENT ASSIGNEE(S): Germany

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062781	A1	20001026	WO 2000-EP3578	20000419
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 19917990	A1	20001102	DE 1999-19917990	19990420
BR 2000009914	A	20020108	BR 2000-9914	20000419
EP 1171131	A1	20020116	EP 2000-922655	20000419
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002542196	T2	20021210	JP 2000-611917	20000419
NO 2001005054	A	20011214	NO 2001-5054	20011017
PRIORITY APPLN. INFO.:			DE 1999-19917990 A	19990420
			WO 2000-EP3578 W	20000419

AB The invention relates to medicaments which contain inhibitors or activators of cell-vol.-regulated human serum and glucocorticoid-dependent kinase **h-sgk**, a serine-threonine kinase. Medicaments of this type contg. staurosporin or chelerythrine are suitable for treating conditions, such as fibrosis, in which an increased or reduced expression of **h-sgk** is identified.

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 12 OF 20 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 2001034894 MEDLINE

DOCUMENT NUMBER: 20508352 PubMed ID: 11052997

TITLE: Expression of cell volume-regulated kinase **h-sgk** in pancreatic tissue.

AUTHOR: Klingel K; Warntges S; Bock J; Wagner C A; Sauter M;

Waldegger S; Kandolf R; Lang F
CORPORATE SOURCE: Department of Molecular Pathology, Institute of Pathology,
University of Tübingen, D-72076, Tübingen, Germany.
SOURCE: AMERICAN JOURNAL OF PHYSIOLOGY. GASTROINTESTINAL AND LIVER
PHYSIOLOGY, (2000 Nov) 279 (5) G998-G1002.
Journal code: 100901227. ISSN: 0193-1857.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200011
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20020420
Entered Medline: 20001130

AB Transcript levels of the human serine/threonine kinase **h-sgk** have been found to be highest in pancreas. In the present study, localization and regulation of **h-sgk** transcription in pancreatic tissue were elucidated. As was apparent from radioactive in situ hybridization, most pancreatic acinar cells expressed high levels of **h-sgk** mRNA. **h-sgk** mRNA-positive cells were also found in ductal epithelia but not in pancreatic islets. In biopsy specimens from patients with pancreatitis, **h-sgk** mRNA levels were decreased in acinar cells but abundant in numerous mononuclear interstitial cells within areas of pancreatic necrosis and fibrosis. As shown by Northern blotting, **h-sgk** transcription in DAN-G pancreatic tumor cells is upregulated by osmotic cell shrinkage, serum, phorbol esters (phorbol 12,13-didecanoate), and Ca(2+) ionophore A-23187 and decreased by staurosporine and cAMP. In conclusion, **h-sgk** transcription is regulated not only by cell volume but also by serum, protein kinase C stimulation, cAMP, and increase of intracellular Ca(2+) activity. The kinase may participate not only in normal function of exocrine pancreas but also in fibrosing pancreatitis.

L17 ANSWER 13 OF 20 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 2

ACCESSION NUMBER: 2001126681 EMBASE
TITLE: Expression and localization of serum/glucocorticoid-induced kinase in the rat ovary: Relation to follicular growth and differentiation.
AUTHOR: Alliston T.N.; Gonzalez-Robayna I.J.; Buse P.; Firestone G.L.; Richards J.S.
CORPORATE SOURCE: Dr. J.S. Richards, Department of Molecular Biology, Baylor College of Medicine, Houston, TX 77030, United States.
joanner@bcm.tmc.edu
SOURCE: Endocrinology, (2000) 141/1 (385-395).
Refs: 54
ISSN: 0013-7227 CODEN: ENDOAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
010 Obstetrics and Gynecology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

AB Expression of serum/glucocorticoid-inducible kinase (Sgk), one member of an inducible serine/threonine kinase family, is induced by FSH/cAMP in rat granulosa cells cultured in defined medium. The FSH-stimulated pattern of sgk expression is biphasic, and transcriptional activation of the sgk gene depends on an intact Sp1/Sp3 binding site within the proximal promoter. To determine whether sgk was expressed in a hormone-dependent and physiologically relevant manner in vivo, the cellular levels of sgk messenger RNA (mRNA) and protein as well as the subcellular localization of this kinase were analyzed in ovaries containing follicles and corpora

lutea at specific stages of differentiation. To stimulate follicular development and luteinization, hypophysectomized (H) rats were treated with estradiol (E; HE) and FSH (FSH; HEF) followed by hCG (hCG; HEF/hCG). To analyze Sgk in functional corpora lutea, PRL was administered to HEF/hCG rats, or ovaries of pregnant rats were obtained on day 7, 15, or 22 of gestation. In situ hybridization indicated that sgk mRNA was low/undetectable in granulosa cells of H and HE rats. An acute injection (iv) of FSH to HE rats rapidly increased sgk mRNA at 2 and 8 h. Sgk mRNA was also elevated in granulosa cells of preovulatory follicles of HEF rats and in luteal cells of HEF/hCG and pregnant rats. Northern blots and Western blots confirmed the in situ hybridization data, indicating that the amount and cellular localization of Sgk protein were related to that of sgk mRNA. When the subcellular localization of this kinase was analyzed by immunohistochemistry, Sgk protein was nuclear in granulosa cells and some thecal cells of large preovulatory follicles. In contrast, Sgk protein was cytoplasmic in luteal cells as well as some cells within the stromal compartment. Intense immunostaining was also observed in oocytes present in primordial follicles, but not in growing follicles. Collectively, these results show that FSH and LH stimulate marked increases in the cellular content of Sgk, as well as dramatic changes in the subcellular distribution of this kinase. The specific nuclear vs. cytoplasmic compartmentalization of Sgk in granulosa cells and luteal cells, respectively, indicates that Sgk controls distinct functions in proliferative vs. terminally differentiated granulosa cells.

L17 ANSWER 14 OF 20 MEDLINE on STN DUPLICATE 3
 ACCESSION NUMBER: 2001067208 MEDLINE
 DOCUMENT NUMBER: 20545973 PubMed ID: 11093030
 TITLE: **h-sgk** serine-threonine protein kinase
 as transcriptional target of p38/MAP kinase pathway in
 HepG2 human hepatoma cells.
 AUTHOR: Waldegger S; Gabrys S; Barth P; Fillon S; Lang F
 CORPORATE SOURCE: Institut für Physiologie I, Gmelinstr. 5, D-72076 Tübingen,
 Germany.
 SOURCE: CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, (2000) 10 (4) 203-8.
 Journal code: 9113221. ISSN: 1015-8987.
 PUB. COUNTRY: Switzerland
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200012
 ENTRY DATE: Entered STN: 20010322
 Last Updated on STN: 20020420
 Entered Medline: 20001222

AB The human serum and glucocorticoid dependent serine/threonine kinase **h-sgk** has previously been discovered as cell volume regulated gene. The present study has been performed to elucidate the involvement of p38-kinase in the transcriptional control of **h-sgk** by osmotic cell shrinkage. The p38-kinase has previously been cloned as the mammalian homologue of HOG1 kinase, which constitutes a part of the osmosensor in the yeast *Saccharomyces cerevisiae*. Phosphorylated (active) p38-kinase has been estimated with Western blotting, transcription of **hsgk** using Northern blotting. Both, increase of extracellular NaCl concentration by 50 mmol/l and addition of 10 micromol/l anisomycin increase phosphorylation of the p38-kinase within 5 to 10 minutes. **h-sgk** transcription is upregulated by addition of 50 mmol/l NaCl and by anisomycin (10 micromol/l), effects completely inhibited by the specific p38-kinase inhibitor, SB 203580 (10 micromol/l). In conclusion, the stimulation of **h-sgk** transcription by osmotic cell shrinkage is mediated by p38-kinase. Copyright 2000 S. Karger AG, Basel.

L17 ANSWER 15 OF 20 MEDLINE on STN DUPLICATE 4
 ACCESSION NUMBER: 1999238882 MEDLINE

DOCUMENT NUMBER: 99238882 PubMed ID: 10220500
TITLE: **h-sgk** serine-threonine protein kinase
gene as transcriptional target of transforming growth
factor beta in human intestine.
AUTHOR: Waldegger S; Klingel K; Barth P; Sauter M; Rfer M L;
Kandolf R; Lang F
CORPORATE SOURCE: Institute of Physiology, University of Tübingen, Tübingen,
Germany.. florian.lang@uni-tuebingen.de
SOURCE: GASTROENTEROLOGY, (1999 May) 116 (5) 1081-8.
Journal code: 0374630. ISSN: 0016-5085.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199906
ENTRY DATE: Entered STN: 19990618
Last Updated on STN: 20020420
Entered Medline: 19990607

AB BACKGROUND & AIMS: Recently, the immediate early gene **h-sgk** was cloned as a hypertonicity-induced gene from human hepatoma cells. The aim of this study was to localize **h-sgk** messenger RNA (mRNA) expression in normal and inflamed intestinal mucosa and to identify potential transcriptional regulators. METHODS: **h-sgk** mRNA in small intestinal mucosa from healthy persons and patients with Crohn's disease was determined by in situ hybridization. Transcriptional regulation was studied by Northern blot analysis of total RNA isolated from cultured human Intestine 407, U937, and HepG2 cells. RESULTS: In normal ileum, **h-sgk** mRNA was selectively localized to the apical villus enterocytes, whereas no staining was detected in crypt cells. In Crohn's disease, enterocytes of the crypts expressed **h-sgk** and abundant **h-sgk** positive inflammatory cells appeared in the lamina propria. Combined **h-sgk** in situ hybridization and immunohistochemical analysis of CD68 antigen expression identified a part of these cells as macrophages. In addition to spatial correlation of transforming growth factor (TGF)-beta1 protein and **h-sgk** mRNA expression, **h-sgk** transcription in human Intestine 407 and HepG2 cells as well as in U937 monocytes/macrophages was strongly induced by TGF-beta1 in vitro. CONCLUSIONS: **h-sgk** expression in normal and inflamed intestinal mucosa may be regulated by TGF-beta1 and may contribute to the pleiotropic actions of TGF-beta1 in mucosal cell populations.

L17 ANSWER 16 OF 20 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:527010 BIOSIS
DOCUMENT NUMBER: PREV199900527010
TITLE: Cell volume regulatory kinase **h-sgk** in
the pathophysiology of diabetic nephropathy.
AUTHOR(S): Lang, Florian [Reprint author]; Wagner, Carsten A. [Reprint
author]; Broer, Stefan [Reprint author]; Melzig, Joerg
[Reprint author]; Waldegger, Siegfried [Reprint author];
Steuer, Silvia; Lanzendorfer, Martina; Klingel, Karin;
Kandolf, Reinhard; Heidland, August; Capasso,
Giovambattista; Massry, Shaul G.; Risler, Teut
CORPORATE SOURCE: Department of Physiology, University of Tübingen,
Tübingen, Germany
SOURCE: Journal of the American Society of Nephrology, (Sept.,
1999) Vol. 10, No. PROGRAM AND ABSTR. ISSUE, pp. 685A.
print.
Meeting Info.: 32nd Annual Meeting of the American Society
of Nephrology. Miami Beach, Florida, USA. November 1-8,
1999. American Society of Nephrology.
CODEN: JASNEU. ISSN: 1046-6673.
DOCUMENT TYPE: Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 10 Dec 1999
Last Updated on STN: 10 Dec 1999

L17 ANSWER 17 OF 20 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1998-10366 BIOTECHDS

TITLE: New nucleic acid encoding cell-volume regulating kinase
h-sgk and related proteins;
enzyme and protein used for diagnosis and therapy of
condition related to cell-volume change

AUTHOR: Lang F; Waldegger S
PATENT ASSIGNEE: Dade-Behring-Marburg
LOCATION: Marburg, Germany.
PATENT INFO: EP 861896 2 Sep 1998
APPLICATION INFO: EP 1998-101338 27 Jan 1998
PRIORITY INFO: DE 1997-1008173 28 Feb 1997
DOCUMENT TYPE: Patent
LANGUAGE: German
OTHER SOURCE: WPI: 1998-449109 [39]

AB A nucleic acid (A) that encodes the human cell-volume regulating serum and glucocorticoid-dependent kinase (**h-sgk**) with a given 431 amino acid protein sequence is claimed. (A) has a given 2,370 bp nucleotide sequence. Also claimed are nucleic acids that hybridize with (A) under stringent conditions and encode an active cell-volume regulating kinase, the transcription of which is not induced by fetal cattle-serum or glucocorticoids. Alternatively it can encode a kinase that is not identical with rat-sgk. The claims also cover polynucleotide fragments consisting of bases 980-1,480 of the given sequence that encodes an immunogenic fragment of **h-sgk**. The claims extend to recombinant **h-sgk**, and receptors that specifically bind to **h-sgk**. The new nucleic acids are used to detect (A) by Northern blotting and hybridization. The protein **h-sgk** can be used to detect receptors which can be used to detect and quantify **h-sgk** in immunoassays. This has application in diagnosis and therapy of conditions associated with cell-volume changes, including hyper- and hypo-natriemia, diabetes mellitus, fructose intolerance, Alzheimer disease, etc. (15pp)

L17 ANSWER 18 OF 20 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 5

ACCESSION NUMBER: 1998305122 EMBASE
TITLE: Cloning of sgk serine-threonine protein kinase from shark rectal gland - A gene induced by hypertonicity and secretagogues.

AUTHOR: Waldegger S.; Barth P.; Forrest J.N. Jr.; Greger R.; Lang F.

CORPORATE SOURCE: S. Waldegger, Department of Physiology 1, University of Tübingen, Gmelinstr. 5, D-72076 Tübingen, Germany

SOURCE: Pflugers Archiv European Journal of Physiology, (1998) 436/4 (575-580).
Refs: 35

ISSN: 0031-6768 CODEN: PFLABK

COUNTRY: Germany

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 002 Physiology
029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

AB Recently, the cell-volume-regulated serine-threonine protein kinase **h-sgk** was cloned from a human hepatoma cell line. The sgk gene was shown to be induced by cell shrinkage in many different

mammalian cell lines. In this study, two highly conserved serine-threonine protein kinases, sgk-1 and sgk- 2, were cloned from rectal gland tissue of the spiny dogfish (*Squalus acanthias*). Both kinases showed a distinct pattern of tissue specificity, with high expression levels in kidney, intestine, liver and heart. In rectal gland slices sgk-1 transcription was induced by exposure to hypertonic solution, reduction of the extracellular urea concentration, and addition of the secretagogues vasoactive intestinal polypeptide (VIP) and carbachol. The shark sgk-1 serine-threonine protein kinase may therefore provide a link between cell volume, Cl-secretion and protein phosphorylation state in shark rectal gland cells.

L17 ANSWER 19 OF 20 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 97272242 MEDLINE
DOCUMENT NUMBER: 97272242 PubMed ID: 9114008
TITLE: Cloning and characterization of a putative human serine/threonine protein kinase transcriptionally modified during anisotonic and isotonic alterations of cell volume.
AUTHOR: Waldegger S; Barth P; Raber G; Lang F
CORPORATE SOURCE: Physiologisches Institut I der Eberhard-Karls-Universitat, D-72076 Tübingen, Germany.
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 Apr 29) 94 (9) 4440-5. Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Y10032
ENTRY MONTH: 199705
ENTRY DATE: Entered STN: 19970609
Last Updated on STN: 20020420
Entered Medline: 19970527
AB Hepatic metabolism and gene expression are among other regulatory mechanisms controlled by the cellular hydration state, which changes rapidly in response to anisotonicity, concentrative substrate uptake, oxidative stress, and under the influence of hormones such as insulin and glucagon. Differential screening for cell volume sensitive transcripts in a human hepatoma cell line revealed a gene for a putative serine/threonine kinase, **h-sgk**, which has 98% sequence identity to a serum- and glucocorticoid regulated kinase, sgk, cloned from a rat mammary tumor cell line. **h-sgk** transcript levels were strongly altered during anisotonic and isotonic cell volume changes. Within 30 min **h-sgk** RNA was, independent of de novo protein synthesis, induced upon cell shrinkage and, due to a complete stop in **h-sgk** transcription, reduced upon cell swelling. Comparable changes of sgk transcript levels were observed in a renal epithelial cell line. **h-sgk** mRNA was detected in all human tissues tested, with the highest levels in pancreas, liver, and heart. The putative serine/threonine protein kinase **h-sgk** may provide a functional link between the cellular hydration state and metabolic control.

L17 ANSWER 20 OF 20 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
ACCESSION NUMBER: 97:351584 SCISEARCH
THE GENUINE ARTICLE: WV421
TITLE: **h-sgk**, a novel human serine threonine protein kinase, is transcriptionally controlled by cell volume
AUTHOR: Waldegger S (Reprint); Raber G; Sailer E; Barth P; Lang F
CORPORATE SOURCE: UNIV TUBINGEN, D-72076 TUBINGEN, GERMANY
COUNTRY OF AUTHOR: GERMANY
SOURCE: PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, (NOV-DEC 1997) Vol. 433, No. 6, Supp. [S], pp. P357-P357.

Publisher: SPRINGER VERLAG, 175 FIFTH AVE, NEW YORK, NY
10010.
ISSN: 0031-6768.
DOCUMENT TYPE: Conference; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 0

=> d his

(FILE 'HOME' ENTERED AT 15:11:54 ON 05 DEC 2003)

FILE 'MEDLINE' ENTERED AT 15:12:04 ON 05 DEC 2003

E WEBSTER R/AU
E WEBSTER M K/AU
L1 19 S E3
L2 6 S "AGK"/TI
L3 0 S L1 AND L2
L4 53 S "SGK"/TI
L5 1 S L1 AND L4
E WALDEGER S/AU
L6 49 S ANISOTONIC/TI
L7 68 S E8
L8 1 S L6 AND L7

FILE 'HOME' ENTERED AT 15:22:07 ON 05 DEC 2003

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
LIFESCI' ENTERED AT 15:54:36 ON 05 DEC 2003

L9 2835796 S SERUM OR GLUCOCORTICOID
L10 12934 S L9 (5W) KINASE?
L11 7514 S HUMAN AND L10
L12 40 S "H-SGK"
L13 7531 S L11 OR L12
L14 5444306 S CLONM? OR EXPRESS? OR RECOMBINANT
L15 6261292 S CLON? OR EXPRESS? OR RECOMBINANT
L16 1008 S L13 AND L15
L17 20 DUP REM L12 (20 DUPLICATES REMOVED)

=> s 19 (2w) kinase?

L18 10065 L9 (2W) KINASE?

=> s human(a) l18

L19 184 HUMAN(A) L18

=> dup rem l19

PROCESSING COMPLETED FOR L19

L20 166 DUP REM L19 (18 DUPLICATES REMOVED)

=> d 1-166 ibib

L20 ANSWER 1 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2003:89267 HCAPLUS

DOCUMENT NUMBER: 138:318768

TITLE: A rare but important cause for a raised serum
creatinine kinase concentration: two case reports and
a literature review

AUTHOR(S): Galarraga, B.; Sinclair, D.; Fahie-Wilson, M. N.;
McCrae, F. C.; Hull, R. G.; Ledingham, J. M.

CORPORATE SOURCE: Rheumatology Department, Queen Alexandra Hospital,
Portsmouth, PO6 3LY, UK

SOURCE: Rheumatology (Oxford, United Kingdom) (2003), 42(1),
186-188

CODEN: RUMAFK; ISSN: 1462-0324
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2002:580466 BIOSIS
DOCUMENT NUMBER: PREV200200580466
TITLE: Aldosterone regulates human sgk1 expression in renal
epithelia by trans-activation of a hormone response element
in the 5' flanking region of the sgk1 gene.
AUTHOR(S): Thomas, Christie P. [Reprint author]; Kang, Liu Z. [Reprint
author]; Omar, Itani A. [Reprint author]
CORPORATE SOURCE: Internal Medicine, University of Iowa, Iowa City, IA, USA
SOURCE: Journal of the American Society of Nephrology, (September,
2002) Vol. 13, No. Program and Abstracts Issue, pp. 278A.
print.
Meeting Info.: Meeting of the American Society of
Nephrology. Philadelphia, PA, USA. October 30-November 04,
2002. American Society of Nephrology.
CODEN: JASNEU. ISSN: 1046-6673.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 13 Nov 2002
Last Updated on STN: 13 Nov 2002

L20 ANSWER 3 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2002:184527 HCAPLUS
DOCUMENT NUMBER: 137:230110
TITLE: Serum thymidine kinase and soluble interleukin-2
receptor predict recurrence of malignant lymphoma
AUTHOR(S): Wakao, D.; Murohashi, I.; Tominaga, K.; Yoshida, K.;
Kishimoto, K.; Yagasaki, F.; Itoh, Y.; Itoh, K.;
Sakata, T.; Kawai, N.; Kayano, H.; Suzuki, T.;
Matsuda, A.; Hirashima, K.; Bessho, M.
CORPORATE SOURCE: First Department of Internal Medicine, Saitama Medical
School, Saitama, 350-0495, Japan
SOURCE: Annals of Hematology (2002), 81(3), 140-146
CODEN: ANHEE8; ISSN: 0939-5555
PUBLISHER: Springer-Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 4 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:334552 BIOSIS
DOCUMENT NUMBER: PREV200100334552
TITLE: Human serum inducible kinase
(Snk).
AUTHOR(S): Anderson, Karen M. [Inventor]; Bouzyk, Mark M. [Inventor,
Reprint author]; Hansbury, Michael J. [Inventor]; Jackson,
Jeffrey R. [Inventor]; Nerurkar, Sandhya S. [Inventor];
Roshak, Amy K. [Inventor]
CORPORATE SOURCE: Little Hadham, UK
ASSIGNEE: SmithKline Beecham Corporation; SmithKline
Beecham plc, Middlesex, UK
PATENT INFORMATION: US 6245544 June 12, 2001
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (June 12, 2001) Vol. 1247, No. 2. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.

DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 18 Jul 2001
Last Updated on STN: 19 Feb 2002

L20 ANSWER 5 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2002:124828 HCAPLUS
DOCUMENT NUMBER: 137:77252
TITLE: Serum creatine kinase is not a reliable indicator of ectopic pregnancy
AUTHOR(S): Kurzel, Richard B.; Mazdisnian, Fariborz; Paige, Sophia; Liu, Paul
CORPORATE SOURCE: Departments of Obstetrics and Gynecology, Olive View-UCLA Medical Center, University of California at Los Angeles, Sylmar, CA, USA
SOURCE: International Journal of Fertility and Women's Medicine (2001), 46(6), 300-303
CODEN: IJWMFW
PUBLISHER: Medical Science Publishing International.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 6 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2001:339230 HCAPLUS
DOCUMENT NUMBER: 135:240290
TITLE: Serum creatine kinase in progressive muscular dystrophies
AUTHOR(S): Zatz, Mayana; Vainzof, Mariz; Passos-Bueno, Maria Rita
CORPORATE SOURCE: Instituto de Biologia, Universidade de Sao Paulo, Sao Paulo, Brazil
SOURCE: Methods in Molecular Medicine (2001), 43 (Muscular Dystrophy), 31-49
CODEN: MMMEFN
PUBLISHER: Humana Press Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 7 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2000:532703 BIOSIS
DOCUMENT NUMBER: PREV200000532703
TITLE: **Human serum inducible kinase** (Snk).
AUTHOR(S): Anderson, Karen M. [Inventor]; Bouzyk, Mark M. [Inventor, Reprint author]; Hansbury, Michael J. [Inventor]; Jackson, Jeffrey R. [Inventor]; Nerurkar, Sandhya S. [Inventor]; Roshak, Amy K. [Inventor]
CORPORATE SOURCE: Little Hadham, UK
ASSIGNEE: SmithKline Beecham Corporation
PATENT INFORMATION: US 6063609 May 16, 2000
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (May 16, 2000) Vol. 1234, No. 3. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 13 Dec 2000
Last Updated on STN: 11 Jan 2002

L20 ANSWER 8 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2000:503589 BIOSIS
DOCUMENT NUMBER: PREV200000503589

TITLE: **Human serum-inducible kinase**
(hSnk) is a novel cell cycle regulator which mediates
vascular smooth muscle cell proliferation.

AUTHOR(S): Imburgia, Christina S. [Reprint author]; Marshall, Lisa A.
[Reprint author]; Anderson, Karen [Reprint author]; Capper,
Elizabeth A. [Reprint author]; Roshak, Amy K. [Reprint
author]

CORPORATE SOURCE: SmithKline Beecham, King of Prussia, PA, 19406, USA
SOURCE: Inflammation Research, (August, 2000) Vol. 49, No.
Supplement 2, pp. S95. print.
Meeting Info.: 10th National Conference of the Inflammation
Research Association. Hot Springs, Virginia, USA. September
24-28, 2000.
ISSN: 1023-3830.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 22 Nov 2000
Last Updated on STN: 11 Jan 2002

L20 ANSWER 9 OF 166 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN

ACCESSION NUMBER: 1999-02617 BIOTECHDS

TITLE: New nucleic acid encoding human H-SGK2 polypeptides;
recombinant serum glucocorticoid-regulated kinase
preparation by vector expression in host cell, used for
disease diagnosis, therapy, gene therapy or in recombinant
vaccine

AUTHOR: Sanjay K; Cheng Z

PATENT ASSIGNEE: SK-Beecham

LOCATION: Philadelphia, PA, USA.

PATENT INFO: EP 889127 7 Jan 1999

APPLICATION INFO: EP 1998-304830 18 Jun 1998

PRIORITY INFO: US 1997-997212 23 Dec 1997; US 1997-51446 1 Jul 1997

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 1999-062658 [06]

L20 ANSWER 10 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1999:139942 HCAPLUS

DOCUMENT NUMBER: 130:192783

TITLE: Cloning and cDNA sequence of **human
serum-inducible kinase Snk**

INVENTOR(S): Anderson, Karen M.; Jackson, Jeffrey R.; Hansbury,
Michael J.; Nerurkar, Sandhya S.; Roshak, Amy K.;
Bouzyk, Mark

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9909146	A1	19990225	WO 1998-US17248	19980820
W: CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6063609	A	20000516	US 1998-136282	19980820
EP 1007645	A1	20000614	EP 1998-942152	19980820
R: BE, CH, DE, DK, FR, GB, IT, LI, NL				
JP 2001514882	T2	20010918	JP 2000-509813	19980820
US 6245544	B1	20010612	US 2000-505744	20000216

PRIORITY APPLN. INFO.: US 1997-56112P P 19970820
US 1998-136282 A3 19980820
WO 1998-US17248 W 19980820
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 11 OF 166 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
ACCESSION NUMBER: 1999:973479 SCISEARCH
THE GENUINE ARTICLE: 250YD
TITLE: Identification and characterization of **human serum-inducible kinase** (hSnk), a novel member of the polo-kinase family of cell cycle regulators, and demonstration of a role in vascular smooth muscle cell proliferation
AUTHOR: Anderson K M (Reprint); Nerurkar S S; Hansbury M J; Imburgia C S; Fornwald J; Scott G; Bouzyk M; Mui P; Marshall L A; Roshak A
CORPORATE SOURCE: SMITHKLINE BEECHAM, KING OF PRUSSIA, PA
COUNTRY OF AUTHOR: USA
SOURCE: CIRCULATION, (2 NOV 1999) Vol. 100, No. 18, Supp. [S], pp. 1758-1758.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621.
ISSN: 0009-7322.
DOCUMENT TYPE: Conference; Journal
FILE SEGMENT: LIFE; CLIN
LANGUAGE: English
REFERENCE COUNT: 0

L20 ANSWER 12 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:527010 BIOSIS
DOCUMENT NUMBER: PREV199900527010
TITLE: Cell volume regulatory kinase h-sgk in the pathophysiology of diabetic nephropathy.
AUTHOR(S): Lang, Florian [Reprint author]; Wagner, Carsten A. [Reprint author]; Broer, Stefan [Reprint author]; Melzig, Joerg [Reprint author]; Waldegger, Siegfried [Reprint author]; Steuer, Silvia; Lanzendorfer, Martina; Klingel, Karin; Kandolf, Reinhard; Heidland, August; Capasso, Giovambattista; Massry, Shaul G.; Risler, Teut
CORPORATE SOURCE: Department of Physiology, University of Tuebingen, Tuebingen, Germany
SOURCE: Journal of the American Society of Nephrology, (Sept., 1999) Vol. 10, No. PROGRAM AND ABSTR. ISSUE, pp. 685A. print.
Meeting Info.: 32nd Annual Meeting of the American Society of Nephrology. Miami Beach, Florida, USA. November 1-8, 1999. American Society of Nephrology.
CODEN: JASNEU. ISSN: 1046-6673.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 10 Dec 1999
Last Updated on STN: 10 Dec 1999

L20 ANSWER 13 OF 166 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2000054360 MEDLINE
DOCUMENT NUMBER: 20054360 PubMed ID: 10585774
TITLE: Cloning and mapping of a novel **human serum/glucocorticoid regulated kinase** -like gene, SGKL, to chromosome 8q12.3-q13.1.
AUTHOR: Dai F; Yu L; He H; Zhao Y; Yang J; Zhang X; Zhao S
CORPORATE SOURCE: Institute of Genetics, Fudan University, 220 Handan Road,

SOURCE: Shanghai, 200433, People's Republic of China.
 GENOMICS, (1999 Nov 15) 62 (1) 95-7.
 Journal code: 8800135. ISSN: 0888-7543.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 OTHER SOURCE: GENBANK-AF085233
 ENTRY MONTH: 200002
 ENTRY DATE: Entered STN: 20000218
 Last Updated on STN: 20020420
 Entered Medline: 20000204

L20 ANSWER 14 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2000:32477 BIOSIS
 DOCUMENT NUMBER: PREV200000032477
 TITLE: Identification and characterization of **human serum-inducible kinase** (hSnk), a novel member of the polo-kinase family of cell cycle regulators, and demonstration of a role in vascular smooth muscle cell proliferation.
 AUTHOR(S): Anderson, Karen M. [Reprint author]; Nerurkar, Sandhya S. [Reprint author]; Hansbury, Michael J. [Reprint author]; Imburgia, Christina S. [Reprint author]; Fornwald, James [Reprint author]; Scott, Gilbert [Reprint author]; Bouzyk, Mark [Reprint author]; Mui, Phillip [Reprint author]; Marshall, Lisa A. [Reprint author]; Roshak, Amy [Reprint author]
 CORPORATE SOURCE: SmithKline Beecham, King of Prussia, PA, USA
 SOURCE: Circulation, (Nov. 2, 1999) Vol. 100, No. 18 SUPPL., pp. I.335. print.
 Meeting Info.: 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, USA. November 7-10, 1999.
 CODEN: CIRCAZ. ISSN: 0009-7322.
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 13 Jan 2000
 Last Updated on STN: 31 Dec 2001

L20 ANSWER 15 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1999:34800 HCAPLUS
 DOCUMENT NUMBER: 130:76180
 TITLE: **Human serum glucocorticoid-regulated kinase**, a target for chronic renal disease
 INVENTOR(S): Kumar, Janet M.
 PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 887081	A2	19981230	EP 1998-304189	19980527
EP 887081	A3	20000322		
EP 887081	B1	20030423		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2234417	AA	19981227	CA 1998-2234417	19980603

JP 11092401 A2 19990406 JP 1998-180437 19980626
PRIORITY APPLN. INFO.: US 1997-51124P P 19970627

L20 ANSWER 16 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1998:604791 HCAPLUS
DOCUMENT NUMBER: 129:213510
TITLE: The human homolog of the cell volume regulated protein
kinase sgk and the gene encoding it
INVENTOR(S): Lang, Florian; Waldegger, Siegfried
PATENT ASSIGNEE(S): Dade Behring Marburg G.m.b.H., Germany
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 861896	A2	19980902	EP 1998-101338	19980127
EP 861896	A3	19991020		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19708173	A1	19980903	DE 1997-19708173	19970228
CA 2224404	AA	19980828	CA 1998-2224404	19980226
US 6326181	B1	20011204	US 1998-31295	19980226
JP 10248566	A2	19980922	JP 1998-46565	19980227
US 2003003559	A1	20030102	US 2001-39	20011204
PRIORITY APPLN. INFO.:			DE 1997-19708173 A	19970228
			US 1998-31295 A3	19980226

L20 ANSWER 17 OF 166 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 96355851 EMBASE
DOCUMENT NUMBER: 1996355851
TITLE: High resolution agarose gel electrophoresis for the
separation of creatine kinase MM isoforms in human serum.
AUTHOR: Drozd R.
CORPORATE SOURCE: Zaklad Diagnostyki, Katedra Biochemii Klinicznej, Coll.
Medicum Uniw. Jagiellonskiego, UI. Kopernika 15b,31-501
Krakow, Poland
SOURCE: Klinisches Labor, (1996) 42/11 (939-942).
ISSN: 0941-2131 CODEN: KLLAEA
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 018 Cardiovascular Diseases and Cardiovascular Surgery
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English; German

L20 ANSWER 18 OF 166 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 96093028 EMBASE
DOCUMENT NUMBER: 1996093028
TITLE: [Guidelines for the determination of human
serum creatine kinase isoenzymes].
RECOMENDACIONES PARA LA DETERMINACION DE ISOENZIMAS DE LA
CREATINA QUINASA EN SUERO SANGUINEO HUMANO.
AUTHOR: Balsells D.; Canalias F.; Ferragut R.; Galan A.; Gella
F.J.; Gubern G.; Padros A.; Rueda R.
CORPORATE SOURCE: Sociedad Espanola de Bioquimica, Clinica y Patologia
Molecular, Comision de Enzimas, Llanca 51,08015 Barcelona,
Spain
SOURCE: Revista de la Sociedad Espanola de Quimica Clinica, (1996)

15/1 (53-56).

ISSN: 0213-8514 CODEN: RSQCEV

COUNTRY: Spain
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: Spanish

L20 ANSWER 19 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1996:295724 HCAPLUS

DOCUMENT NUMBER: 125:4040

TITLE: Recommended method for the determination of
human serum creatine kinase
isoenzymes

AUTHOR(S): Galan Ortega, A.; Balsells Rosello, D.; Ferragut Mas,
R.; Gella Tomas, F. J.; Gubern Olivella, G.; Padros
Fluvia, A.; Rueda Rua, R.; Canalias Reverter, F.

CORPORATE SOURCE: Comite Cientifico, Sociedad Espanola Bioquimica
Clinica Patologia Molecular, Spain

SOURCE: Revista de la Sociedad Espanola de Bioquimica Clinica
y Patologia Molecular (1996), 15(1), 53-56

CODEN: RSQCFW; ISSN: 1139-2436

PUBLISHER: Ediciones Mayo

DOCUMENT TYPE: Journal

LANGUAGE: Spanish

L20 ANSWER 20 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1993:641531 HCAPLUS

DOCUMENT NUMBER: 119:241531

TITLE: Stimulation of cultured amnion cell prostaglandin
endoperoxide H synthase activity by glucocorticoids
and phorbol ester

AUTHOR(S): Smieja, Zofia; Zakar, Tamas; Olson, David M.

CORPORATE SOURCE: Perinat. Res. Cent., Univ. Alberta, Edmonton, AB, T6G
2S2, Can.

SOURCE: American Journal of Obstetrics and Gynecology (1993),
169(3), 653-61

CODEN: AJOGAH; ISSN: 0002-9378

DOCUMENT TYPE: Journal

LANGUAGE: English

L20 ANSWER 21 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1994:695628 HCAPLUS

DOCUMENT NUMBER: 121:295628

TITLE: Determination of serum creatine kinase-MB isoenzyme by
the Stratus fluorometric enzyme immunoassay method
Rasini, G.

AUTHOR(S): Lab. Anal. Chim. e Microbiol. "P. Rondoni", Osp.

CORPORATE SOURCE: Fatebenefratelli e Oftalmico, Milan, 20121, Italy

SOURCE: European Journal of Laboratory Medicine (1993), 1(2),
105-8

CODEN: EJLAEW; ISSN: 1122-8652

DOCUMENT TYPE: Journal

LANGUAGE: English

L20 ANSWER 22 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1992:423387 BIOSIS

DOCUMENT NUMBER: PREV199243067537; BR43:67537

TITLE: PERFORMANCE EVALUATION OF THREE IMMUNOASSAY ANALYZERS FOR
CK-MB.

AUTHOR(S): GREEN S [Reprint author]; LEHRER M

CORPORATE SOURCE: DEP PATHOL, LONG ISLAND JEWISH MED CENT, NEW HYDE PARK, NY
11042, USA

SOURCE: Clinical Chemistry, (1992) Vol. 38, No. 6, pp. 1048.

Meeting Info.: 44TH NATIONAL MEETING OF THE AMERICAN

ASSOCIATION FOR CLINICAL CHEMISTRY, INC., CHICAGO,
ILLINOIS, USA, JULY 19-23, 1992. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 14 Sep 1992
Last Updated on STN: 10 Nov 1992

L20 ANSWER 23 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1992:423334 BIOSIS
DOCUMENT NUMBER: PREV199243067484; BR43:67484
TITLE: DEVELOPMENT OF AN AUTOMATED IMMUNOENZYMETRIC CK-MB ASSAY
FOR THE AFFINITY SYSTEM.

AUTHOR(S): HANJAN S N S [Reprint author]; BEADENKOPF R J; VALLEJO R
CORPORATE SOURCE: BECTON DICKINSON ADVANCED DIAGNOSTICS, SPARKS, MD 21152,
USA
SOURCE: Clinical Chemistry, (1992) Vol. 38, No. 6, pp. 1035.
Meeting Info.: 44TH NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY, INC., CHICAGO,
ILLINOIS, USA, JULY 19-23, 1992. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 14 Sep 1992
Last Updated on STN: 10 Nov 1992

L20 ANSWER 24 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1992:349090 BIOSIS
DOCUMENT NUMBER: PREV199294041315; BA94:41315
TITLE: GLYCOGEN STORAGE DISEASE TYPE III GLYCOGEN DEBRANCHING
ENZYME DEFICIENCY CORRELATION OF BIOCHEMICAL DEFECTS WITH
MYOPATHY AND CARDIOMYOPATHY.

AUTHOR(S): COLEMAN R A [Reprint author]; WINTER H S; WILF B; GILCHRIST
J M; CHEN Y-T
CORPORATE SOURCE: UNIV NORTH CAROLINA, DEP NUTRITION, SCH PUBLIC HEALTH, CB
7400, CHAPEL HILL, NC 27599-7400, USA
SOURCE: Annals of Internal Medicine, (1992) Vol. 116, No. 11, pp.
896-900.
CODEN: AIMEAS. ISSN: 0003-4819.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 29 Jul 1992
Last Updated on STN: 10 Sep 1992

L20 ANSWER 25 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1992:539869 BIOSIS
DOCUMENT NUMBER: PREV199243125569; BR43:125569
TITLE: COCAINE-RELATED SYMPTOMS IN PATIENTS ADMITTED TO A
PEDIATRIC INTENSIVE CARE UNIT PICU.

AUTHOR(S): CONWAY E E JR [Reprint author]; USHAY H M
CORPORATE SOURCE: DEP PEDIATR, ALBERT EINSTEIN COLL MED, BRONX, NY, USA
SOURCE: Clinical Research, (1992) Vol. 40, No. 3, pp. 647A.
Meeting Info.: MEETING OF THE EASTERN SECTION OF THE
AMERICAN FEDERATION FOR CLINICAL RESEARCH, NEW YORK, NEW
YORK, USA, OCTOBER 9-10, 1992. CLIN RES.
CODEN: CLREAS. ISSN: 0009-9279.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 26 Nov 1992
Last Updated on STN: 26 Nov 1992

L20 ANSWER 26 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1992:208468 BIOSIS
 DOCUMENT NUMBER: PREV199293108693; BA93:108693
 TITLE: THE CARDIOMYOPATHY FOR DUCHENNE-BECKER CONSULTANDS.
 AUTHOR(S): COMI L I [Reprint author]; NIGRO G; POLITANO L; PETRETTA V
 R
 CORPORATE SOURCE: VIALE PINI 101, 80131 NAPOLI, ITALY
 SOURCE: International Journal of Cardiology, (1992) Vol. 34, No. 3,
 pp. 297-305.
 CODEN: IJCDD5. ISSN: 0167-5273.
 DOCUMENT TYPE: Article
 FILE SEGMENT: BA
 LANGUAGE: ENGLISH
 ENTRY DATE: Entered STN: 4 May 1992
 Last Updated on STN: 4 May 1992

L20 ANSWER 27 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1992:488935 BIOSIS
 DOCUMENT NUMBER: PREV199243098135; BR43:98135
 TITLE: DOES THE SIGNAL-AVERAGED ELECTROCARDIOGRAM RESULT PREDICT
 IN-HOSPITAL MORTALITY AFTER ACUTE MYOCARDIAL INFARCTION?.
 AUTHOR(S): MCCLEMENTS B [Reprint author]; ADGEY J
 CORPORATE SOURCE: ROYAL VICTORIA HOSP, BELFAST, N IRELAND
 SOURCE: European Heart Journal, (1992) Vol. 13, No. ABSTR. SUPPL,
 pp. 276.
 Meeting Info.: XIVTH CONGRESS OF THE EUROPEAN SOCIETY OF
 CARDIOLOGY, BARCELONA, SPAIN, AUGUST 30-SEPTEMBER 2, 1992.
 EUR HEART J.
 CODEN: EHJODF. ISSN: 0195-668X.
 DOCUMENT TYPE: Conference; (Meeting)
 FILE SEGMENT: BR
 LANGUAGE: ENGLISH
 ENTRY DATE: Entered STN: 3 Nov 1992
 Last Updated on STN: 3 Nov 1992

L20 ANSWER 28 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1992:465241 BIOSIS
 DOCUMENT NUMBER: PREV199243086591; BR43:86591
 TITLE: INCLUSION BODY MYOSITIS ITS RELATIVE FREQUENCY IN ELDERLY
 PEOPLE.
 AUTHOR(S): MAAT-SCHIEMAN M L C [Reprint author]; MACFARLANE J D; BOTS
 G T A M; WINTZEN A R
 CORPORATE SOURCE: DEP NEUROLOGY, UNIV HOSP, PO BOX 9600, 2300 RC LEIDEN, NETH
 SOURCE: Clinical Neurology and Neurosurgery, (1992) Vol. 94, No.
 SUPPL, pp. S118-S120.
 Meeting Info.: SYMPOSIUM ON NEURODEGENERATION AND
 NEUROPROTECTION POSTGRADUATE BOERHAAVE COURSE, LEIDEN,
 NETHERLANDS, MARCH 13, 1992. CLIN NEUROL NEUROSURG.
 ISSN: 0303-8467.
 DOCUMENT TYPE: Conference; (Meeting)
 FILE SEGMENT: BR
 LANGUAGE: ENGLISH
 ENTRY DATE: Entered STN: 12 Oct 1992
 Last Updated on STN: 12 Oct 1992

L20 ANSWER 29 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1992:407202 BIOSIS
 DOCUMENT NUMBER: PREV199294070402; BA94:70402
 TITLE: STABILITY OF THE CK-MB ISOENZYME ON ROUTINE STORAGE.
 AUTHOR(S): BUTTERY J E [Reprint author]; STUART S; PANNALL P R
 CORPORATE SOURCE: DEP CLINICAL CHEM, QUEEN ELIZABETH HOSPITAL, WOODVILLE, SA
 5011 AUST
 SOURCE: Clinical Biochemistry, (1992) Vol. 25, No. 1, pp. 11-13.

CODEN: CLBIAS. ISSN: 0009-9120.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 9 Sep 1992
Last Updated on STN: 10 Sep 1992

L20 ANSWER 30 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1991:403017 BIOSIS
DOCUMENT NUMBER: PREV199141064862; BR41:64862
TITLE: CLINICAL EVALUATION OF THE AMERLITE CK-MB ASSAY.
AUTHOR(S): BILLING J [Reprint author]; HINCY V; MONTAGUE D; THOMPSON
W; WILLCOX L
CORPORATE SOURCE: AMERLITE DIAGNOSTICS LTD, CHALFONT ST GILES, BUCKS HP8 45P,
UK
SOURCE: Clinical Chemistry, (1991) Vol. 37, No. 6, pp. 910-911.
Meeting Info.: 43RD NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY, INC., WASHINGTON, D.C.,
USA, JULY 28-AUGUST 1, 1991. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 31 Aug 1991
Last Updated on STN: 31 Aug 1991

L20 ANSWER 31 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1992:4745 BIOSIS
DOCUMENT NUMBER: PREV199293004745; BA93:4745
TITLE: GENETIC COUNSELLING IN FACIOSCAPULOHUMERAL MUSCULAR
DYSTROPHY.
AUTHOR(S): LUNT P W [Reprint author]; HARPER P S
CORPORATE SOURCE: CLIN GENETICS UNIT, ROYAL HOSP SICK CHILDREN, ST MICHAEL'S
HILL, BRISTOL BS2 8BJ, UK
SOURCE: Journal of Medical Genetics, (1991) Vol. 28, No. 10, pp.
655-664.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 10 Dec 1991
Last Updated on STN: 10 Dec 1991

L20 ANSWER 32 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1992:101504 HCAPLUS
DOCUMENT NUMBER: 116:101504
TITLE: A new method for measuring serum pyruvate kinase and
creatine kinase activities using a thermostable
glucokinase
AUTHOR(S): Shiraishi, Takanari; Kondo, Hitoshi; Tsubota, Hiroyuki
CORPORATE SOURCE: Res. Dev. Cent., Unitika Ltd., Uji, 611, Japan
SOURCE: Rinsho Kagaku (Nippon Rinsho Kagakkai) (1991), 20(4),
235-41
CODEN: RIKAA; ISSN: 0370-5633
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 33 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1991:536823 BIOSIS
DOCUMENT NUMBER: PREV199141126558; BR41:126558
TITLE: NONTRAUMATIC RHABDOMYOLYSIS IN HYPEROSMOLAR NONKETOTIC
DIABETIC COMA HNKC.
AUTHOR(S): CANO J F [Reprint author]; MACAYA M; ROQUER J; GODAY A;
VILARDELL E

CORPORATE SOURCE: DEP ENDOCRINOL, HOSP NS ESPERANCA, UNIV BARCELONA,
BARCELONA, SPAIN
SOURCE: Diabetologia, (1991) Vol. 34, No. SUPPL. 2, pp. A173.
Meeting Info.: 27TH ANNUAL MEETING OF THE EUROPEAN
ASSOCIATION FOR THE STUDY OF DIABETES, DUBLIN, IRELAND,
SEPTEMBER 10-14, 1991. DIABETOLOGIA.
CODEN: DBTGAI. ISSN: 0012-186X.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 25 Nov 1991
Last Updated on STN: 26 Nov 1991

L20 ANSWER 34 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1991:503076 BIOSIS
DOCUMENT NUMBER: PREV199192126036; BA92:126036
TITLE: INFLAMMATORY CHANGES IN FACIOSCAPULOHUMERAL MUSCULAR
DYSTROPHY.
AUTHOR(S): MOLNAR M [Reprint author]; DIOSZEGHY P; MECHLER F
CORPORATE SOURCE: DEP NEUROL, UNIV MED SCH OF DEBRECEN, H-4012 DEBRECEN,
HUNGARY
SOURCE: European Archives of Psychiatry and Clinical Neuroscience,
(1991) Vol. 241, No. 2, pp. 105-108.
ISSN: 0940-1334.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 12 Nov 1991
Last Updated on STN: 12 Nov 1991

L20 ANSWER 35 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1990:402961 HCAPLUS
DOCUMENT NUMBER: 113:2961
TITLE: Stable human serum-based control and/or calibrant for
assay of lactate dehydrogenase (LD), creatine kinase
(CK), and their isoenzymes
INVENTOR(S): Posner, Alan; Romero, Pedro
PATENT ASSIGNEE(S): Baxter International, Inc., USA
SOURCE: Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 351117	A2	19900117	EP 1989-306725	19890703
EP 351117	A3	19901212		
EP 351117	B1	19950222		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
US 4994375	A	19910219	US 1988-217243	19880711
CA 1338915	A1	19970218	CA 1989-604422	19890629
PRIORITY APPLN. INFO.:			US 1988-217243	19880711

L20 ANSWER 36 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:448489 BIOSIS
DOCUMENT NUMBER: PREV199090099129; BA90:99129
TITLE: PARTIAL DYSTROPHIN DEFICIENCY IN MONOZYGOUS TWIN CARRIERS
OF THE DUCHENNE GENE DISCORDANT FOR CLINICAL MYOPATHY.
AUTHOR(S): BONILLA E [Reprint author]; YOUNGER D S; CHANG H W;
TANTRAVAHU U; MIRANDA A F; MEDORI R; DIMAURO S; WARBURTON
D; ROWLAND L P
CORPORATE SOURCE: ROOM 5-431, COLL PHYSICIANS SURGEONS, 630 WEST 168TH ST,

SOURCE: NEW YORK, NY 10032, USA
Neurology, (1990) Vol. 40, No. 8, pp. 1267-1270.
CODEN: NEURAI. ISSN: 0028-3878.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 7 Oct 1990
Last Updated on STN: 7 Oct 1990

L20 ANSWER 37 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:397172 BIOSIS
DOCUMENT NUMBER: PREV199039068133; BR39:68133
TITLE: COMPARISON OF A FLUOROMETRIC ENZYME IMMUNOASSAY WITH AN
IMMUNOINHIBITION TEST FOR THE DETERMINATION OF CK-MB.
AUTHOR(S): LUTHE H [Reprint author]; OPPELT I; NIEDMANN D
CORPORATE SOURCE: DEP CLIN CHEM, UNIV CLIN, 3400 GOETTINGEN, FRG
SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1134.
Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL
MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD
AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY,
SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN
CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 30 Aug 1990
Last Updated on STN: 30 Aug 1990

L20 ANSWER 38 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:397173 BIOSIS
DOCUMENT NUMBER: PREV199039068134; BR39:68134
TITLE: MEASUREMENT OF CKMB BY ELECTROPHORESIS IMMUNOINHIBITION
CHEMILUMINOIMMUNOASSAY AND FLUOROIMMUNOASSAY.
AUTHOR(S): CHEN K [Reprint author]; MAGCAUAS R; VALDIVIA R; HERNANDEZ
C; MAYER A; MUSICANT J; KHAYAM-BAHSI H
CORPORATE SOURCE: DEP LAB MED, UNIV CALIF, CLIN LABS, SAN FRANCISCO GEN HOSP,
SAN FRANCISCO, CALIF 94110, USA
SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1134.
Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL
MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD
AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY,
SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN
CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 30 Aug 1990
Last Updated on STN: 30 Aug 1990

L20 ANSWER 39 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:397168 BIOSIS
DOCUMENT NUMBER: PREV199039068129; BR39:68129
TITLE: COMPARISON OF THE STRATUS CK-MB FLUOROIMMUNOASSAY WITH
HELENA AGAROSE ELECTROPHORESIS CK-MB.
AUTHOR(S): WEBB G [Reprint author]; BERK L; LETTS G; BOWMAN M; LEE J;
TSAO B; EBY W
CORPORATE SOURCE: DEP PATHOL AND LAB MED, LOMA LINDA UNIV MED CENT, LOMA
LINDA, CALIF 92350, USA
SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1133.
Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN

ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY, SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN CHEM.

CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE:

Conference; (Meeting)

FILE SEGMENT:

BR

LANGUAGE:

ENGLISH

ENTRY DATE:

Entered STN: 30 Aug 1990

Last Updated on STN: 30 Aug 1990

L20 ANSWER 40 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1990:397163 BIOSIS

DOCUMENT NUMBER: PREV199039068124; BR39:68124

TITLE: EVALUATION OF CKMB REAGENT ON BECKMAN'S SYNCHRON CX 4-5 SYSTEMS.

AUTHOR(S): FRANCIS J H [Reprint author]; LUU A; METZLER M; PIERRE K

CORPORATE SOURCE: BECKMAN INSTRUMENTS INC, DSG, 200 S KRAEMER BLVD, BREA, CALIF 92621, USA

SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1132. Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY, SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN CHEM.

CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE:

Conference; (Meeting)

FILE SEGMENT:

BR

LANGUAGE:

ENGLISH

ENTRY DATE:

Entered STN: 30 Aug 1990

Last Updated on STN: 30 Aug 1990

L20 ANSWER 41 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1990:397160 BIOSIS

DOCUMENT NUMBER: PREV199039068121; BR39:68121

TITLE: AN IMMUNOCHEMICAL METHOD FOR THE CONFIRMATION OF THE CARDIAC SPECIFIC CK-MB ISOENZYME ACTIVITY DETERMINED BY THE ROCHE ISOSCREEN-CK METHODOLOGY.

AUTHOR(S): REILLEY T [Reprint author]; FIELDS S; KAUFMAN R A

CORPORATE SOURCE: ROCHE DIAGNOSTIC SYSTEMS INC, NUTLEY, NJ, USA

SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1131. Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY, SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN CHEM.

CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE:

Conference; (Meeting)

FILE SEGMENT:

BR

LANGUAGE:

ENGLISH

ENTRY DATE:

Entered STN: 30 Aug 1990

Last Updated on STN: 30 Aug 1990

L20 ANSWER 42 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1990:397158 BIOSIS

DOCUMENT NUMBER: PREV199039068119; BR39:68119

TITLE: AUTOMATED MASS VS ACTIVITY DETERMINATION OF CK-MB.

AUTHOR(S): SHEK Y H [Reprint author]; PODLASEK S J

CORPORATE SOURCE: GEORGETOWN UNIV MED CENT, WASHINGTON, DC 20007, USA

SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1131. Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN

ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY, SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN CHEM.

CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 30 Aug 1990
Last Updated on STN: 30 Aug 1990

L20 ANSWER 43 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1990:397153 BIOSIS

DOCUMENT NUMBER: PREV199039068114; BR39:68114

TITLE: EVALUATION OF ABBOTT IMX CK-MB IMMUNOASSAY COMPARISON WITH BAXTER STRATUS CK-MB HYBRITEL TANDEM E II CK-MB AND ELECTROPHORESIS.

AUTHOR(S): PREESE L [Reprint author]; RENNEKE J; APPLE F S

CORPORATE SOURCE: CLIN LAB, HENNEPIN COUNTY MED CENT, MINNEAPOLIS, MINN 55415, USA

SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1130.
Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY, SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN CHEM.

CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 30 Aug 1990
Last Updated on STN: 30 Aug 1990

L20 ANSWER 44 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1990:397142 BIOSIS

DOCUMENT NUMBER: PREV199039068103; BR39:68103

TITLE: SEPARATION OF CK-MM ISOFORMS ON THE PHARMACIA PHASTSYSTEM ELECTROPHORESIS APPARATUS.

AUTHOR(S): LESSARD F [Reprint author]; DION R

CORPORATE SOURCE: BIOCHEM LAB, ST LUC HOSP, MONTREAL, CAN H2X 3J4

SOURCE: Clinical Chemistry, (1990) Vol. 36, No. 6, pp. 1128.
Meeting Info.: 42ND NATIONAL MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY AND THE 34TH ANNUAL MEETING OF THE CANADIAN SOCIETY OF CLINICAL CHEMISTS HELD AT THE XIV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY, SAN FRANCISCO, CALIFORNIA, USA, JULY 22-26, 1990. CLIN CHEM.

CODEN: CLCHAU. ISSN: 0009-9147.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 30 Aug 1990
Last Updated on STN: 30 Aug 1990

L20 ANSWER 45 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1990:357069 BIOSIS

DOCUMENT NUMBER: PREV199090053648; BA90:53648

TITLE: SERUM CK-BB ACTIVITY IN THE PRETERM INFANT AND OUTCOME AT TWO AND FOUR YEARS OF AGE.

AUTHOR(S): DEN OUDEN L [Reprint author]; VAN DE BOR M; VAN BEL F;

JANSSEN H; BRAND R; RUYSS J H

CORPORATE SOURCE: DEP PEDIATR, BUILDING 36, RIJNSBURGERWEG 10, 2333 AA

SOURCE: LEIDEN, THE NETH
Developmental Medicine and Child Neurology, (1990) Vol. 32,
No. 6, pp. 509-514.
CODEN: DMCNAW. ISSN: 0012-1622.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 7 Aug 1990
Last Updated on STN: 7 Aug 1990

L20 ANSWER 46 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1991:77431 HCAPLUS
DOCUMENT NUMBER: 114:77431
TITLE: Recommendation for measuring enzyme activity in
**human serum. Creatine
kinase. Elucidation**
CORPORATE SOURCE: Japan Society of Clinical Chemistry, Osaka, 530, Japan
SOURCE: Rinsho Kagaku (Nippon Rinsho Kagakkai) (1990), 19(2),
189-208
CODEN: RIKAAN; ISSN: 0370-5633
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

L20 ANSWER 47 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1991:77430 HCAPLUS
DOCUMENT NUMBER: 114:77430
TITLE: Recommendation for measuring enzyme activity in
**human serum. Creatine
kinase**
CORPORATE SOURCE: Japan Society of Clinical Chemistry, Osaka, 530, Japan
SOURCE: Rinsho Kagaku (Nippon Rinsho Kagakkai) (1990), 19(2),
184-8
CODEN: RIKAAN; ISSN: 0370-5633
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

L20 ANSWER 48 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:199368 BIOSIS
DOCUMENT NUMBER: PREV199089106039; BA89:106039
TITLE: MUSCLE ADAPTATION PRIOR TO RECOVERY FOLLOWING ECCENTRIC
EXERCISE.
AUTHOR(S): EBBELING C B [Reprint author]; CLARKSON P M
CORPORATE SOURCE: DEP EXERCISE SCI, UNIV MASS, AMHERST, MA 01003, USA
SOURCE: European Journal of Applied Physiology and Occupational
Physiology, (1990) Vol. 60, No. 1, pp. 26-31.
CODEN: EJAPCK. ISSN: 0301-5548.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 24 Apr 1990
Last Updated on STN: 24 Apr 1990

L20 ANSWER 49 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1989:188221 HCAPLUS
DOCUMENT NUMBER: 110:188221
TITLE: Serum creatine kinase isoenzyme BB is a poor index to
the size of various brain lesions
AUTHOR(S): Schwartz, Joyce G.; Bazan, Carlos, III; Gage, Carole
L.; Prihoda, Thomas J.; Gillham, Sherri L.
CORPORATE SOURCE: Health Sci. Cent., Univ. Texas, San Antonio, TX,
78284-7750, USA
SOURCE: Clinical Chemistry (Washington, DC, United States)
(1989), 35(4), 651-4
CODEN: CLCHAU; ISSN: 0009-9147

DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 50 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:66987 BIOSIS
DOCUMENT NUMBER: PREV199089034813; BA89:34813
TITLE: EARLY DIAGNOSIS OF ACUTE MYOCARDIAL INFARCTION A COMPARISON
BETWEEN CHEMICAL PREDICTORS.
AUTHOR(S): KALLNER A [Reprint author]; SYLVEN C; BRODIN U; LOOGNA E;
SVENHAMN K
CORPORATE SOURCE: DEP CLIN CHEM, KAROLINSKA HOSP, S-104 01 STOCKHOLM, SWED
SOURCE: Scandinavian Journal of Clinical and Laboratory
Investigation, (1989) Vol. 49, No. 7, pp. 633-640.
CODEN: SJCLAY. ISSN: 0036-5513.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 23 Jan 1990
Last Updated on STN: 23 Jan 1990

L20 ANSWER 51 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:236295 BIOSIS
DOCUMENT NUMBER: PREV199089123248; BA89:123248
TITLE: MULTIPLE MYOCARDIAL INFARCTIONS ASSOCIATED WITH
ATHEROMATOUS EMBOLI AFTER PTCA OF SAPHENOUS VEIN GRAFTS A
CLINICOPATHOLOGIC CORRELATION.
AUTHOR(S): TRONO R [Reprint author]; SUTTON C; HOLLMAN J; SUIT P;
RATLIFF N B
CORPORATE SOURCE: DEP CARDIOL, CLEVELAND CLINIC FOUND, ONE CLINIC CENTER,
9500 EUCLID AVE, CLEVELAND, OHIO 44195, USA
SOURCE: Cleveland Clinic Journal of Medicine, (1989) Vol. 56, No.
6, pp. 581-584.
ISSN: 0891-1150.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 19 May 1990
Last Updated on STN: 19 May 1990

L20 ANSWER 52 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:40458 BIOSIS
DOCUMENT NUMBER: PREV199038019688; BR38:19688
TITLE: RAPID CARDIAC ENZYME ANALYSIS USING CIBA CORNING 550
EXPRESS BICHROMATIC ANALYZER.
AUTHOR(S): SHAMBERGER R J [Reprint author]
CORPORATE SOURCE: CHIBA CORNING DIAGN, OBERLIN, OHIO 44074, USA
SOURCE: Clinical Biochemistry, (1989) Vol. 22, No. 5, pp. 411-412.
Meeting Info.: EIGHTH INTERNATIONAL CONGRESS OF CLINICAL
ENZYMOLGY, TORONTO, ONTARIO, CANADA, MAY 30-JUNE 1, 1989.
CLIN BIOCHEM.
CODEN: CLBIAS. ISSN: 0009-9120.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 28 Dec 1989
Last Updated on STN: 28 Dec 1989

L20 ANSWER 53 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1990:40423 BIOSIS
DOCUMENT NUMBER: PREV199038019653; BR38:19653
TITLE: CLINICAL UTILITY OF A MONOCLONAL ANTI-CK MB ANTIBODY-BASED
ASSAY ON THE STRATUS IMMUNOASSAY SYSTEM.
AUTHOR(S): APPLE F S [Reprint author]; PREESE L M; GERKEN K; VANLENTE
F

CORPORATE SOURCE: HENNEPIN CTY MED CENT, MINNEAPOLIS, MN 55415, USA
SOURCE: Clinical Biochemistry, (1989) Vol. 22, No. 5, pp. 404-405.
Meeting Info.: EIGHTH INTERNATIONAL CONGRESS OF CLINICAL
ENZYMOLGY, TORONTO, ONTARIO, CANADA, MAY 30-JUNE 1, 1989.
CLIN BIOCHEM.
CODEN: CLBIAS. ISSN: 0009-9120.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 28 Dec 1989
Last Updated on STN: 28 Dec 1989

L20 ANSWER 54 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1989:381059 BIOSIS
DOCUMENT NUMBER: PREV198988061649; BA88:61649
TITLE: DUCHENNE MUSCULAR DYSTROPHY IN MONOZYGOTIC TWINS DELETION
OF 5' FRAGMENTS OF THE GENE.
AUTHOR(S): IONASESCU V V [Reprint author]; SEARBY C C; IONASESCU R;
PATIL S
CORPORATE SOURCE: DIV MED GENETICS, DEP PEDIATRICS, UNIV IOWA HOSPS, IOWA
CITY, IOWA 52242, USA
SOURCE: American Journal of Medical Genetics, (1989) Vol. 33, No.
1, pp. 113-116.
ISSN: 0148-7299.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 17 Aug 1989
Last Updated on STN: 17 Aug 1989

L20 ANSWER 55 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1989:351611 BIOSIS
DOCUMENT NUMBER: PREV198937042708; BR37:42708
TITLE: ISOMETRIC MUSCLE FORCES AFTER ECCENTRIC EXERCISE.
AUTHOR(S): MCBRINE J [Reprint author]; CLARKSON P M; ANDRES R; HAMILL
J
CORPORATE SOURCE: DEP EXERCISE SCI, UNIV MASS, AMHERST, MASS 01003, USA
SOURCE: Medicine and Science in Sports and Exercise, (1989) Vol.
21, No. 2 SUPPL, pp. S67.
Meeting Info.: 36TH ANNUAL MEETING OF THE AMERICAN COLLEGE
OF SPORTS MEDICINE, BALTIMORE, MARYLAND, USA, MAY 31-JUNE
3, 1989. MED SCI SPORTS EXERCISE.
CODEN: MSPEDA. ISSN: 0195-9131.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 25 Jul 1989
Last Updated on STN: 25 Jul 1989

L20 ANSWER 56 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1989:473993 BIOSIS
DOCUMENT NUMBER: PREV198988109753; BA88:109753
TITLE: DOES POSTEXERCISE STATIC STRETCHING ALLEVIATE DELAYED
MUSCLE SORENESS.
AUTHOR(S): BUROKER K C [Reprint author]; SCHWANE J A
CORPORATE SOURCE: DEP HEALTH PHYS EDUCATION, UNIV TEX TYLER, 3900 UNIVERSITY
BLVD, TYLER, TX 75701, USA
SOURCE: Physician and Sportsmedicine, (1989) Vol. 17, No. 6, pp.
65-72, 76, 81-83.
ISSN: 0091-3847.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 17 Oct 1989

Last Updated on STN: 17 Oct 1989

L20 ANSWER 57 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1989:254118 BIOSIS
DOCUMENT NUMBER: PREV198936121342; BR36:121342
TITLE: PROGNOSTIC INDICATORS IN RECTAL CARCINOMA AN EVALUATION OF
CLINICOPATHOLOGICAL VARIABLES TUMOR MARKERS AND TUMOR
STAGE.
AUTHOR(S): STAHL E [Reprint author]
CORPORATE SOURCE: DEP SURGERY, UNIV HOSP, UPPSALA UNIV, S-751 85 UPPSALA,
SWEDEN
SOURCE: Upsala Journal of Medical Sciences, (1989) Vol. 94, No. 1,
pp. 1-28.
CODEN: UJMSAP. ISSN: 0300-9734.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 24 May 1989
Last Updated on STN: 24 May 1989

L20 ANSWER 58 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1988:411171 BIOSIS
DOCUMENT NUMBER: PREV198835074146; BR35:74146
TITLE: A SPECIFIC-CAPTURE ASSAY FOR CKMB USING A MONOCLONAL
ANTIBODY AND CHROMIUM DIOXIDE MAGNETIC PARTICLES AS THE
SOLID SUPPORT PHASE.
AUTHOR(S): PANKRATZ T J [Reprint author]; HUTSON D K; ZAVISTA J
CORPORATE SOURCE: E I DU PONT DE NEMOURS AND CO INC, MED PRODUCTS DEP,
WILMINGTON, DELAWARE 19898, USA
SOURCE: Clinical Chemistry, (1988) Vol. 34, No. 6, pp. 1280.
Meeting Info.: 40TH NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY, NEW ORLEANS, LOUISIANA,
USA, JULY 24-28, 1988. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 9 Sep 1988
Last Updated on STN: 9 Sep 1988

L20 ANSWER 59 OF 166 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 88311499 MEDLINE
DOCUMENT NUMBER: 88311499 PubMed ID: 3044646
TITLE: Serum isoforms of creatine kinase isoenzymes.
AUTHOR: Panteghini M
CORPORATE SOURCE: First Laboratory of Clinical Pathology, Spedali Civili,
Brescia, Italy.
SOURCE: CLINICAL BIOCHEMISTRY, (1988 Aug) 21 (4) 211-8. Ref: 70
Journal code: 0133660. ISSN: 0009-9120.
PUB. COUNTRY: Canada
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198810
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19990129
Entered Medline: 19881006

L20 ANSWER 60 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1988:419465 BIOSIS
DOCUMENT NUMBER: PREV198886082077; BA86:82077
TITLE: EXERCISE-INDUCED MUSCLE DAMAGE REPAIR AND ADAPTATION IN OLD

AND YOUNG SUBJECTS.
AUTHOR(S): CLARKSON P M [Reprint author]; DEDRICK M E
CORPORATE SOURCE: DEP EXERCISE SCI, BOYDEN BUILDING, UNIV MASSACHUSETTS,
AMHERST, MASS 01003, USA
SOURCE: Journals of Gerontology, (1988) Vol. 43, No. 4, pp.
M91-M96.
CODEN: JOGEA3. ISSN: 0022-1422.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 19 Sep 1988
Last Updated on STN: 19 Sep 1988

L20 ANSWER 61 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1989:268117 BIOSIS
DOCUMENT NUMBER: PREV198988004199; BA88:4199
TITLE: ECHOSCOPIC DETECTION OF THE HETEROZYGOTE CARRIERS OF THE
DUCHENNE'S MYODYSTROPHY.
AUTHOR(S): KRASIL'NIKOV V V [Reprint author]; LAZEBNIK T A; PROKOF'EV
G V
CORPORATE SOURCE: CONSULT-DIAGN MED- GENET POLYCLIN, MAIN ADM HEALTH,
LENINGRAD, USSR
SOURCE: Zhurnal Nevropatologii i Psikiatrii Imeni S. S. Korsakova,
(1988) Vol. 88, No. 11, pp. 18-19.
CODEN: ZNPIAP. ISSN: 0044-4588.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: RUSSIAN
ENTRY DATE: Entered STN: 6 Jun 1989
Last Updated on STN: 6 Jun 1989

L20 ANSWER 62 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1988:419460 BIOSIS
DOCUMENT NUMBER: PREV198886082072; BA86:82072
TITLE: EXERCISE-INDUCED MUSCLE DAMAGE REPAIR AND ADAPTATION IN
HUMANS.
AUTHOR(S): CLARKSON P M [Reprint author]; TREMBLAY I
CORPORATE SOURCE: DEP EXERCISE SCI, UNIV MASSACHUSETTS, AMHERST, MASS 01003,
USA
SOURCE: Journal of Applied Physiology, (1988) Vol. 65, No. 1, pp.
1-6.
CODEN: JAPHEV. ISSN: 8750-7587.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 19 Sep 1988
Last Updated on STN: 19 Sep 1988

L20 ANSWER 63 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1987:334559 BIOSIS
DOCUMENT NUMBER: PREV198784043502; BA84:43502
TITLE: A COMPREHENSIVE ESTIMATION OF ACUTE MYOCARDIAL INFARCT SIZE
USING ENZYMATIC ELECTROCARDIOGRAPHIC AND MECHANICAL
METHODS.
AUTHOR(S): GRANDE P [Reprint author]; HINDMAN N B; SAUNAMAKI K;
PRATHER J D; HINOHARA T; WAGNER G S
CORPORATE SOURCE: MED DEP B, RIGSHOSPITALET, UNIV OF COPENHAGEN, DK 2100
COPENHAGEN, DENMARK
SOURCE: American Journal of Cardiology, (1987) Vol. 59, No. 15, pp.
1239-1244.
CODEN: AJCDAG. ISSN: 0002-9149.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

ENTRY DATE: Entered STN: 8 Aug 1987
Last Updated on STN: 8 Aug 1987

L20 ANSWER 64 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1987:251225 BIOSIS
DOCUMENT NUMBER: PREV198784004197; BA84:4197
TITLE: MAKING THE MOST OF MULTIPLE MEASUREMENTS IN ESTIMATING CARRIER PROBABILITY IN DUCHENNE MUSCULAR DYSTROPHY THE BAYESIAN INCORPORATION OF REPEATED MEASUREMENTS USING LOGISTIC DISCRIMINATION.
AUTHOR(S): PERCY M E [Reprint author]; ANDREWS D F; BRASHER P M A; RUSK A C M
CORPORATE SOURCE: DEP OBSTETRICS GYNAECOL, CLINICAL SCI DIV, ROOM 7345, MEDICAL SCI BUILD, UNIV TORONTO, TORONTO, ONTARIO M5S 1A1, CANADA
SOURCE: American Journal of Medical Genetics, (1987) Vol. 26, No. 4, pp. 851-862.
ISSN: 0148-7299.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 6 Jun 1987
Last Updated on STN: 6 Jun 1987

L20 ANSWER 65 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1988:161986 BIOSIS
DOCUMENT NUMBER: PREV198834076598; BR34:76598
TITLE: PEDIATRIC REFERENCE RANGE FOR THE EAST GERMANY PHARMACOPEIA DIAGNOSTIC LABORATORY METHODS CK.
AUTHOR(S): SCHREIBER G [Reprint author]; LOEFFLER G; BERSECK L; GRUETZMANN K-D; SCHOLZ R
CORPORATE SOURCE: LENINALLEE 49, BERLIN, DDR-1017
SOURCE: Zentralblatt fuer Pharmazie Pharmakotherapie und Laboratoriumsdiagnostik, (1987) Vol. 126, No. 9, pp. 535-538.
CODEN: ZPPLBF. ISSN: 0049-8696.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: GERMAN
ENTRY DATE: Entered STN: 28 Mar 1988
Last Updated on STN: 28 Mar 1988

L20 ANSWER 66 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1987:348736 BIOSIS
DOCUMENT NUMBER: PREV198733049357; BR33:49357
TITLE: DOES POSTEXERCISE STATIC STRETCHING STCH ALLEVIATE EXERCISE-INDUCED DELAYED MUSCLE SORENESS MS?.
AUTHOR(S): BUROKER K J [Reprint author]; SCHWANE J A
CORPORATE SOURCE: HPE DEP, UNIV TEXAS TYLER, TYLER, TEX 75701, USA
SOURCE: Medicine and Science in Sports and Exercise, (1987) Vol. 19, No. 2 SUPPL, pp. S36.
Meeting Info.: ANNUAL MEETING OF THE AMERICAN COLLEGE OF SPORTS MEDICINE, LAS VEGAS, NEVADA, USA, MAY 27-30, 1987.
MED SCI SPORTS EXERCISE.
CODEN: MSPEDA. ISSN: 0195-9131.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 15 Aug 1987
Last Updated on STN: 15 Aug 1987

L20 ANSWER 67 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1987:348732 BIOSIS
DOCUMENT NUMBER: PREV198733049353; BR33:49353

TITLE: RAPID ADAPTATION TO EXERCISE INDUCED MUSCLE DAMAGE.
 AUTHOR(S): CLARKSON P M [Reprint author]; TREMBLAY I
 CORPORATE SOURCE: UNIV MASSACHUSETTS, AMHERST, MASS, USA
 SOURCE: Medicine and Science in Sports and Exercise, (1987) Vol. 19, No. 2 SUPPL, pp. S36.
 Meeting Info.: ANNUAL MEETING OF THE AMERICAN COLLEGE OF SPORTS MEDICINE, LAS VEGAS, NEVADA, USA, MAY 27-30, 1987. MED SCI SPORTS EXERCISE.
 CODEN: MSPEDA. ISSN: 0195-9131.
 DOCUMENT TYPE: Conference; (Meeting)
 FILE SEGMENT: BR
 LANGUAGE: ENGLISH
 ENTRY DATE: Entered STN: 15 Aug 1987
 Last Updated on STN: 15 Aug 1987

L20 ANSWER 68 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1987:120471 BIOSIS
 DOCUMENT NUMBER: PREV198732059588; BR32:59588
 TITLE: FAMILIAL MITOCHONDRIAL ENCEPHALOMYOPATHY LACTIC ACIDOSIS AND STROKE MELAS ASSOCIATED WITH CYTOCHROME OXIDASE DEFICIENCY.
 AUTHOR(S): HURKO O [Reprint author]; REYNAFARJE B; KUNCL R; FELDMAN E; STERN B
 CORPORATE SOURCE: DEP NEUROL, JOHNS HOPKINS HOSP, BALTIMORE, MD, USA
 SOURCE: American Journal of Medical Genetics, (1986) Vol. 25, No. 4, pp. 716-717.
 Meeting Info.: CLINICAL GENETICS CONFERENCE ON MUSCLE AND ITS DISORDERS, PHILADELPHIA, PA., USA, JUNE 8-11, 1986. AM J MED GENET.
 ISSN: 0148-7299.
 DOCUMENT TYPE: Conference; (Meeting)
 FILE SEGMENT: BR
 LANGUAGE: ENGLISH
 ENTRY DATE: Entered STN: 28 Feb 1987
 Last Updated on STN: 28 Feb 1987

L20 ANSWER 69 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1986:182123 HCAPLUS
 DOCUMENT NUMBER: 104:182123
 TITLE: Interference by macro creatine kinase type 1 with an immunoenzymometric method for quantification of CK-MB in serum
 AUTHOR(S): Medeiros, L. Jeffrey; Walsh, Donna; Gerson, Benjamin
 CORPORATE SOURCE: Dep. Pathol., New England Deaconess Hosp., Boston, MA, 02215, USA
 SOURCE: Clinical Chemistry (Washington, DC, United States) (1986), 32(4), 710-11
 CODEN: CLCHAU; ISSN: 0009-9147
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L20 ANSWER 70 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1986:356385 BIOSIS
 DOCUMENT NUMBER: PREV198682060859; BA82:60859
 TITLE: OBJECTIVE EVALUATION OF BLUNT CARDIAC TRAUMA.
 AUTHOR(S): FRAZEE R C [Reprint author]; MUCHA P JR; FARNELL M B; MILLER F A JR
 CORPORATE SOURCE: MAYO CLIN, 200 FIRST ST SW, ROCHESTER, MINN 55905, USA
 SOURCE: Journal of Trauma, (1986) Vol. 26, No. 6, pp. 510-520.
 CODEN: JOTRA5. ISSN: 0022-5282.
 DOCUMENT TYPE: Article
 FILE SEGMENT: BA
 LANGUAGE: ENGLISH
 ENTRY DATE: Entered STN: 6 Sep 1986

Last Updated on STN: 6 Sep 1986

L20 ANSWER 71 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1986:166590 HCAPLUS
DOCUMENT NUMBER: 104:166590
TITLE: Circulating antibodies to mouse monoclonal
immunoglobulins in normal subjects - incidence,
species specificity, and effects on a two-site assay
for creatine kinase-MB isoenzyme
AUTHOR(S): Thompson, R. J.; Jackson, Anthony P.; Langlois, Neil
CORPORATE SOURCE: Sch. Clin. Med., Addenbrooke's Hosp., Cambridge, CB2
2QR, UK
SOURCE: Clinical Chemistry (Washington, DC, United States)
(1986), 32(3), 476-81
CODEN: CLCHAU; ISSN: 0009-9147
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 72 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1986:414387 BIOSIS
DOCUMENT NUMBER: PREV198682089921; BA82:89921
TITLE: RELATIONSHIP BETWEEN CHANGES IN ST SEGMENT ELEVATION AND
PATENCY OF THE INFARCT-RELATED CORONARY ARTERY IN ACUTE
MYOCARDIAL INFARCTION.
AUTHOR(S): HACKWORTHY R A [Reprint author]; VOGEL M B; HARRIS P J
CORPORATE SOURCE: HALLSTROM INST CARDIOL, ROYAL PRINCE ALFRED HOSP,
CAMPERDOWN, NSW, 2050, AUSTRALIA
SOURCE: American Heart Journal, (1986) Vol. 112, No. 2, pp.
279-284.
CODEN: AHJOA2. ISSN: 0002-8703.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 25 Oct 1986
Last Updated on STN: 25 Oct 1986

L20 ANSWER 73 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1986:380361 BIOSIS
DOCUMENT NUMBER: PREV198682075337; BA82:75337
TITLE: MYOGLOBIN RADIOIMMUNOASSAY IN DETECTING CARRIERS OF
DUCHENNE'S MUSCULAR DYSTROPHY.
AUTHOR(S): SABRIA-LEAL M [Reprint author]; GIMENO-LEAL J M;
PARET-MASANA A; BARROSO C R-J
CORPORATE SOURCE: C/MONT D'ORSA 8, 4A, E-80017 BARCELONA, SPAIN
SOURCE: European Neurology, (1986) Vol. 25, No. 4, pp. 253-255.
CODEN: EUNEAP. ISSN: 0014-3022.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 20 Sep 1986
Last Updated on STN: 20 Sep 1986

L20 ANSWER 74 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1987:3591 BIOSIS
DOCUMENT NUMBER: PREV198783003591; BA83:3591
TITLE: DUCHEN AN INTERACTIVE COMPUTER PROGRAM FOR CALCULATING
HETEROZYGOSITY CARRIER RISKS IN LINKED RECESSIVE LETHAL
DISEASES AND ITS APPLICATION IN DUCHENNE MUSCULAR
DYSTROPHY.
AUTHOR(S): ANDREWS D F [Reprint author]; BRASHER P M A; MANCHESTER K
E; PERCY M E; RUSK A C M; SOLTAN H C; TRUEMAN D W
CORPORATE SOURCE: DEP OBSTET GYNAECOL, CLINICAL SCI DIV, ROOM 7345, MEDICAL
SCI BUILD, UNIV TORONTO, TORONTO, ONT M5S 1A8, CAN
SOURCE: American Journal of Medical Genetics, (1986) Vol. 25, No.

2, pp. 211-218.
ISSN: 0148-7299.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 9 Dec 1986
Last Updated on STN: 9 Dec 1986

L20 ANSWER 75 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1987:46091 HCAPLUS
DOCUMENT NUMBER: 106:46091
TITLE: Macro creatine kinases
AUTHOR(S): Stein, W.; Bohner, J.; Bahlinger, M.
CORPORATE SOURCE: Med. Universitaetsklin., Tuebingen, D-7400, Fed. Rep. Ger.
SOURCE: Advances in Clinical Enzymology (1986), 3 (Plasma Isoenzymes), 95-104
CODEN: ACENEB; ISSN: 0250-4197
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L20 ANSWER 76 OF 166 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 86008202 MEDLINE
DOCUMENT NUMBER: 86008202 PubMed ID: 4044570
TITLE: Studies on the adenylate kinase isozymes from the serum and erythrocyte of normal and Duchenne dystrophic patients. Isolation, physicochemical properties, and several comparisons with the Duchenne dystrophic aberrant enzyme.
AUTHOR: Hamada M; Sumida M; Kurokawa Y; Sunayashiki-Kusuzaki K; Okuda H; Watanabe T; Kuby S A
CONTRACT NUMBER: AM07824 (NIADDK)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1985 Sep 25) 260 (21) 11595-602.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198510
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 20000303
Entered Medline: 19851030

L20 ANSWER 77 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1985:556200 HCAPLUS
DOCUMENT NUMBER: 103:156200
TITLE: Old and new aca methods for creatine kinase isoenzyme MB compared
AUTHOR(S): Leroux, Michael L.; Desjardins, Paul R. E.
CORPORATE SOURCE: Dep. Clin. Chem., Health Sci. Cent., Winnipeg, MB, R3E 0Z3, Can.
SOURCE: Clinical Chemistry (Washington, DC, United States) (1985), 31(9), 1572-3
CODEN: CLCHAU; ISSN: 0009-9147
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 78 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1985:241830 BIOSIS
DOCUMENT NUMBER: PREV198579021826; BA79:21826
TITLE: GENETIC COUNSELING IN BECKER TYPE X-LINKED MUSCULAR DYSTROPHY 2. PRACTICAL CONSIDERATIONS.
AUTHOR(S): GRIMM T [Reprint author]
CORPORATE SOURCE: HUMANGENETIK, KOELLIKERSTR 2, D-8700 WUERZBURG, FRG

SOURCE: American Journal of Medical Genetics, (1984) Vol. 18, No. 4, pp. 719-724.
ISSN: 0148-7299.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 79 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1984:353121 BIOSIS
DOCUMENT NUMBER: PREV198478089601; BA78:89601
TITLE: EARLY 2 DIMENSIONAL ECHO CARDIOGRAPHY IN ACUTE MYO CARDIAL INFARCTION A STUDY OF LEFT VENTRICULAR WALL MOTION ABNORMALITIES.
AUTHOR(S): BHATNAGAR S K [Reprint author]; AL-YUSUF A R; KOLAR J
CORPORATE SOURCE: DEP MED, KUWAIT UNIV, PO BOX 44294, HAWALLI, KUWAIT, ARABIAN GULF
SOURCE: Japanese Heart Journal, (1984) Vol. 25, No. 3, pp. 301-310.
CODEN: JHEJAR. ISSN: 0021-4868.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 80 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1984:135624 BIOSIS
DOCUMENT NUMBER: PREV198427052116; BR27:52116
TITLE: ADAPTATIONS TO INDUCED MUSCLE SORENESS.
AUTHOR(S): GOODYEAR L J [Reprint author]; HAMILL C L; HOWLEY E T
CORPORATE SOURCE: NIKE SPORT RES LAB, EXETER, NH 03833, USA
SOURCE: Medicine and Science in Sports and Exercise, (1984) Vol. 16, No. 2, pp. 183.
Meeting Info.: ANNUAL MEETING OF THE AMERICAN COLLEGE OF SPORTS MEDICINE, SAN DIEGO, CALIF., USA, MAY 23-26, 1984.
MED SCI SPORTS EXERCISE.
CODEN: MSPEDA. ISSN: 0195-9131.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 81 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1985:77968 BIOSIS
DOCUMENT NUMBER: PREV198528077968; BR28:77968
TITLE: LEFT VENTRICULAR DILATATION AFTER INFARCTION.
AUTHOR(S): JEREMY R W [Reprint author]; HACKWORTHY R A; KELLY D T; HARRIS P J
CORPORATE SOURCE: HALLSTROM INST CARDIOL, SYDNEY, AUSTRALIA
SOURCE: American Heart Association Monograph, (1984) No. 107, pp. II-309.
Meeting Info.: JOINT PROCEEDINGS OF THE 57TH SCIENTIFIC SESSIONS OF THE AMERICAN HEART ASSOCIATION, THE SCIENTIFIC SESSIONS FOR NURSES, THE 38TH ANNUAL MEETING OF THE COUNCIL ON ARTERIOSCLEROSIS OF THE AMERICAN SOCIETY FOR THE STUDY OF ARTERIOSCLEROSIS, AND THE 6TH NATIONAL CONFERENCE ON THROMBOSIS AND HEMOSTASIS, MIAMI BEACH, FLA., USA, NOV. 12-15, 1984. AM HEART ASSOC MONOGR.
CODEN: AHMOAH. ISSN: 0065-8499.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 82 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1983:175594 HCAPLUS
DOCUMENT NUMBER: 98:175594
TITLE: Determination of creatine phosphokinase in body fluids
INVENTOR(S): Sanderson, James A.

PATENT ASSIGNEE(S): Dow Chemical Co., USA
SOURCE: Eur. Pat. Appl., 19 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 71087	A1	19830209	EP 1982-106303	19820714
EP 71087	B1	19850424		
R: DE, FR, IT				
CA 1175737	A1	19841009	CA 1982-407069	19820712
JP 58016699	A2	19830131	JP 1982-122243	19820715
PRIORITY APPLN. INFO.:			US 1981-284269	19810717

L20 ANSWER 83 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1983:67605 HCAPLUS
DOCUMENT NUMBER: 98:67605
TITLE: Elimination of interference by atypical CK in CK-MB fractions of column eluates with an immunochemical CK assay
AUTHOR(S): Mercer, Donald W.
CORPORATE SOURCE: Dept. Pathol., Montefiore Hosp., Pittsburgh, PA, 15213, USA
SOURCE: Clinical Chemistry (Washington, DC, United States) (1983), 29(1), 215
CODEN: CLCHAU; ISSN: 0009-9147
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 84 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1983:252967 BIOSIS
DOCUMENT NUMBER: PREV198376010459; BA76:10459
TITLE: IMPROVED DETECTION OF DUCHENNE MUSCULAR DYSTROPHY HETERO ZYGOTES USING DISCRIMINANT ANALYSIS OF CREATINE KINASE LEVELS.
AUTHOR(S): MUIR W A [Reprint author]; KNOKE J; MARTIN A; VIGNOS P; MCERLEAN A
CORPORATE SOURCE: DIV HUMAN GENETICS, DEP MED, CASE WESTERN RESERVE UNIV, CLEVELAND, OHIO 44106, USA
SOURCE: American Journal of Medical Genetics, (1983) Vol. 14, No. 1, pp. 125-134.
ISSN: 0148-7299.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 85 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1983:297480 BIOSIS
DOCUMENT NUMBER: PREV198376054972; BA76:54972
TITLE: VENTRICULAR ELECTRICAL INSTABILITY A PREDICTOR OF DEATH AFTER MYO CARDIAL INFARCTION.
AUTHOR(S): RICHARDS D A [Reprint author]; CODY D V; DENNISS A R; RUSSELL P A; YOUNG A A; UTHUR J B
CORPORATE SOURCE: DEP MED, WESTMEAD HOSP, WESTMEAD NSW 2145, AUSTRALIA
SOURCE: American Journal of Cardiology, (1983) Vol. 51, No. 1, pp. 75-80.
CODEN: AJCDAG. ISSN: 0002-9149.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 86 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1983:320577 BIOSIS
DOCUMENT NUMBER: PREV198376078069; BA76:78069
TITLE: EVALUATION OF A QRS SCORING SYSTEM IN ACUTE MYO CARDIAL
INFARCTION RELATION TO INFARCT SIZE EARLY STAGE LEFT
VENTRICULAR EJECTION FRACTION AND EXERCISE PERFORMANCE.
AUTHOR(S): SEINO Y [Reprint author]; STANILOFF H M; SHELL W E; MICKLE
D; SHAH P K; VYDEN J K
CORPORATE SOURCE: FIRST DEP MED, NIPPON MED SCH, 1-1-5, SENDAGI, BUNKYO-KU,
TOKYO, JAPAN
SOURCE: American Journal of Cardiology, (1983) Vol. 52, No. 1, pp.
37-42.
CODEN: AJCDAG. ISSN: 0002-9149.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 87 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1984:2527 HCAPLUS
DOCUMENT NUMBER: 100:2527
TITLE: Evaluation of electrophoretic and immunological
inhibition methods for the determination of creatine
kinase isoenzyme activity
AUTHOR(S): Martinez, Tania L. da Rocha; Auriemo, Caio R. C.; Do
Nascimento, Helena M.; Liviero, Lisete; Martinez F.,
Eulogio E.; Delbon F., Humberto
CORPORATE SOURCE: Brazil
SOURCE: Revista Brasileira de Patologia Clinica (1983), 19(1),
11-18
CODEN: RBPTBN; ISSN: 0034-7302
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 88 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1983:268568 BIOSIS
DOCUMENT NUMBER: PREV198376026060; BA76:26060
TITLE: THE GENETIC STATUS OF MOTHERS OF ISOLATED CASES OF DUCHENNE
MUSCULAR DYSTROPHY.
AUTHOR(S): LANE R J M [Reprint author]; ROBINOW M; ROSES A D
CORPORATE SOURCE: REGIONAL NEUROLOGICAL CENTRE, NEWCASTLE GEN HOSP, WESTGATE
RD, NEWCASTLE UPON TYNE NE4 6BE, UK
SOURCE: Journal of Medical Genetics, (1983) Vol. 20, No. 1, pp.
1-11.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 89 OF 166 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
ACCESSION NUMBER: 82:173868 SCISEARCH
THE GENUINE ARTICLE: NF980
TITLE: **HUMAN-SERUM CREATINE-KINASE**
KINETICS FOLLOWING REPERFUSION IN ACUTE
MYOCARDIAL-INFARCTION
AUTHOR: WEI J Y (Reprint); MARKIS J E; MALAGOLD M; BLAUSTEIN A
CORPORATE SOURCE: HARVARD UNIV, SCH MED, BOSTON, MA, 02115; BETH ISRAEL
HOSP, BOSTON, MA, 02215
COUNTRY OF AUTHOR: USA
SOURCE: AMERICAN JOURNAL OF CARDIOLOGY, (1982) Vol. 49, No. 4, pp.
1033.
DOCUMENT TYPE: Conference; Journal
FILE SEGMENT: LIFE; CLIN
LANGUAGE: ENGLISH
REFERENCE COUNT: No References

L20 ANSWER 90 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1983:30150 HCAPLUS
DOCUMENT NUMBER: 98:30150
TITLE: Interlaboratory survey of enzyme analyses. IV. Human
versus porcine tissue as source of creatine kinase for
survey serum
AUTHOR(S): Lott, John A.; Wenger, William C.; Massion, Charles
G.; Homburger, Henry A.
CORPORATE SOURCE: Dep. Pathol., Ohio State Univ., Columbus, OH, USA
SOURCE: American Journal of Clinical Pathology (1982), 78(4,
Suppl.), 626-33
CODEN: AJCPAI; ISSN: 0002-9173
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 91 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1983:273070 BIOSIS
DOCUMENT NUMBER: PREV198376030562; BA76:30562
TITLE: RAPID RESUMPTION OF CIGARETTE SMOKING FOLLOWING MYO CARDIAL
INFARCTION INVERSE RELATION TO MYO CARDIAL INFARCTION
SEVERITY.
AUTHOR(S): BAILE W F JR [Reprint author]; BIGELOW G E; GOTTLIEB S H;
STITZER M L; SACKTOR J D
CORPORATE SOURCE: DEP OF PSYCHIATRY, BALTIMORE CITY HOSP, BALTIMORE, MD
21224, USA
SOURCE: Addictive Behaviors, (1982) Vol. 7, No. 4, pp. 373-380.
ISSN: 0306-4603.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 92 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1983:176100 BIOSIS
DOCUMENT NUMBER: PREV198375026100; BA75:26100
TITLE: MUSCLE PROVOCATION TEST A SENSITIVE METHOD FOR
DISCRIMINATION BETWEEN CARRIERS AND NONCARRIERS OF DUCHENNE
MUSCULAR DYSTROPHY.
AUTHOR(S): HERRMANN F H [Reprint author]; SPIEGLER A; WIEDEMANN G
CORPORATE SOURCE: MED AKAD ERFURT, ABT MED GENET, KLEMENT-GOTTWALD-STR 34,
DDR-5080 ERFURT, E GER
SOURCE: Human Genetics, (1982) Vol. 61, No. 2, pp. 102-104.
CODEN: HUGEDQ. ISSN: 0340-6717.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 93 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1982:303417 BIOSIS
DOCUMENT NUMBER: PREV198274075897; BA74:75897
TITLE: FEASIBILITY OF NEO NATAL SCREENING FOR DUCHENNE MUSCULAR
DYSTROPHY.
AUTHOR(S): SKINNER R [Reprint author]; EMERY A E H; SCHEUERBRANDT G;
SYME J
CORPORATE SOURCE: DEP OF HUMAN GENETICS, WESTERN GEN HOSP, EDINBURGH EH4 2XU,
UK
SOURCE: Journal of Medical Genetics, (1982) Vol. 19, No. 1, pp.
1-3.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 94 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1982:199149 BIOSIS
DOCUMENT NUMBER: PREV198273059133; BA73:59133
TITLE: CORRELATIONS BETWEEN INITIAL INFARCT SIZE AND PROGNOSIS OF
ACUTE MYO CARDIAL INFARCTION.
AUTHOR(S): BUGIARDINI R [Reprint author]; FERRINI D; GALVANI M;
MUSCARI A; TISSELLI A; VINELLI S; PUDDU P
CORPORATE SOURCE: IST DI CLIN MED II, POLICLIN S ORSOLA, VIA MASSARENTI 9,
40138 BOLOGNA
SOURCE: Giornale Italiano di Cardiologia, (1981) Vol. 11, No. 7,
pp. 889-896.
CODEN: GICDA7. ISSN: 0046-5968.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ITALIAN

L20 ANSWER 95 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1981:87227 BIOSIS
DOCUMENT NUMBER: PREV198121022223; BR21:22223
TITLE: DILUENT PH AND THE STABILITY OF THE THIOL GROUP IN MONO
THIO GLYCEROL N ACETYL-L CYSTEINE AND 2 MERCAPTO ETHANOL.
AUTHOR(S): NEALON D A [Reprint author]; PETTIT S M; HENDERSON A R
CORPORATE SOURCE: DEP CLIN BIOCHEM, UNIV HOSP, 339 WINDERMERE RD, LONDON,
ONTARIO N6A 5A5, CANADA
SOURCE: Clinical Chemistry, (1981) Vol. 27, No. 3, pp. 505-506.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 96 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1982:58621 BIOSIS
DOCUMENT NUMBER: PREV198222058621; BR22:58621
TITLE: DIFFERENCES IN SUBSTRATE AFFINITY AMONG CREATINE KINASE ISO
ENZYMES AND MACRO CREATINE KINASE.
AUTHOR(S): STEIN W [Reprint author]; BOHNER J; STEINHART R
CORPORATE SOURCE: MEDIZINISCHE KLINIK IV D-7400 TUEBINGEN
SOURCE: Journal of Clinical Chemistry and Clinical Biochemistry,
(1981) Vol. 19, No. 4, pp. 239.
Meeting Info.: 1ST JOINT MEETING OF THE BRITISH, GERMAN AND
DUTCH SOCIETIES FOR CLINICAL CHEMISTRY, NOORDWIJKERHOUT,
NETHERLANDS, APRIL 9-10, 1981. J CLIN CHEM CLIN BIOCHEM.
CODEN: JCCBDT. ISSN: 0340-076X.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 97 OF 166 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 82024157 MEDLINE
DOCUMENT NUMBER: 82024157 PubMed ID: 6269633
TITLE: An aberrant adenylate kinase isoenzyme from the serum of
patients with Duchenne muscular dystrophy.
AUTHOR: Hamada M; Okuda H; Oka K; Watanabe T; Ueda K; Nojima M;
Kuby S A; Manship M; Tyler F H; Ziter F A
SOURCE: BIOCHIMICA ET BIOPHYSICA ACTA, (1981 Aug 13) 660 (2)
227-37.
Journal code: 0217513. ISSN: 0006-3002.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198112
ENTRY DATE: Entered STN: 19900316
Last Updated on STN: 20000303
Entered Medline: 19811215

L20 ANSWER 98 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1982:230318 BIOSIS
 DOCUMENT NUMBER: PREV198274002798; BA74:2798
 TITLE: DI PHENOL OXIDASES IN X LINKED RECESSIVE DUCHENNE MUSCULAR DYSTROPHY.
 AUTHOR(S): DEMOS J J [Reprint author]; TUIL D G; KATZ P C; BERTHELON M A; DAUTREAUX B; PREMONT N
 CORPORATE SOURCE: UNITE RECHERCHES MYOPATHIE INSERM 12, RUE LOUIS BRAILLE, F-77100 MEAUX, FRANCE
 SOURCE: Human Genetics, (1981) Vol. 59, No. 2, pp. 154-160.
 CODEN: HUGEDQ. ISSN: 0340-6717.
 DOCUMENT TYPE: Article
 FILE SEGMENT: BA
 LANGUAGE: ENGLISH

L20 ANSWER 99 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1982:111763 BIOSIS
 DOCUMENT NUMBER: PREV198223041755; BR23:41755
 TITLE: AUTOMATED DIFFERENTIAL KINETIC ASSAY FOR **HUMAN SERUM CREATINE KINASE MB ISOZYME.**
 AUTHOR(S): YUAN J H [Reprint author]; PAN L W J
 CORPORATE SOURCE: DEP OF CHEM SCI, OLD DOMINION UNIV, NORFOLK, VA 23508, USA
 SOURCE: Virginia Journal of Science, (1981) Vol. 32, No. 3, pp. 113.
 Meeting Info.: 59TH ANNUAL MEETING OF THE VIRGINIA ACADEMY OF SCIENCE, NORFOLK, VA., USA, MAY 12-15, 1981. VA J SCI.
 CODEN: VJSCAI. ISSN: 0042-658X.
 DOCUMENT TYPE: Conference; (Meeting)
 FILE SEGMENT: BR
 LANGUAGE: ENGLISH

L20 ANSWER 100 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1983:33738 BIOSIS
 DOCUMENT NUMBER: PREV198324033738; BR24:33738
 TITLE: RECONFIRMATION OF LYMPHOCYTE CAPPING AS A MEANS OF HETERO ZYGOTE DETECTION IN DUCHENNE MUSCULAR DYSTROPHY WHEN DEFINITE CRITERIA ARE UTILIZED.
 AUTHOR(S): NEIER S S [Reprint author]; WILMOT P L; SHAPIRO L R
 CORPORATE SOURCE: NEW YORK MED COLL, VALHALLA
 SOURCE: American Journal of Human Genetics, (1981) Vol. 33, No. 6, pp. 91A.
 Meeting Info.: 32ND ANNUAL MEETING OF THE AMERICAN SOCIETY OF HUMAN GENETICS, DALLAS, TEX., USA, OCT. 28-31, 1981. AM J HUM GENET.
 CODEN: AJHGAG. ISSN: 0002-9297.
 DOCUMENT TYPE: Conference; (Meeting)
 FILE SEGMENT: BR
 LANGUAGE: ENGLISH

L20 ANSWER 101 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1981:32876 BIOSIS
 DOCUMENT NUMBER: PREV198120032876; BR20:32876
 TITLE: REPORT OF THE CREATINE KINASE STUDY GROUP ACTIVITIES 1976 TO PRESENT.
 AUTHOR(S): ELSER R C [Reprint author]; HENDERSON A R; MORIN L G; SAMPSON E J
 CORPORATE SOURCE: YORK HOSP, YORK, PA 17405, USA
 SOURCE: Clinical Chemistry, (1980) Vol. 26, No. 7, pp. 1023.
 Meeting Info.: JOINT MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY AND THE CANADIAN SOCIETY OF CLINICAL CHEMISTS, BOSTON, MASS., USA, JULY 20-25, 1980. CLIN CHEM.
 CODEN: CLCHAU. ISSN: 0009-9147.
 DOCUMENT TYPE: Conference; (Meeting)

FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 102 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1981:32931 BIOSIS
DOCUMENT NUMBER: PREV198120032931; BR20:32931
TITLE: FULLY ENZYMATIC METHOD FOR CREATININE DETERMINATION A
CANDIDATE FOR A REFERENCE METHOD.
AUTHOR(S): WAHLEFELD A W [Reprint author]; STAEBLER F; BOERNER U;
SZASZ G
CORPORATE SOURCE: BOEHRINGER MANNHEIM, GMBH, FORSCHUNGSZENTRUM TUTZING, GER
SOURCE: Clinical Chemistry, (1980) Vol. 26, No. 7, pp. 982.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 103 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1981:87236 BIOSIS
DOCUMENT NUMBER: PREV198121022232; BR21:22232
TITLE: MACRO CREATINE KINASE BB EC-2.7.3.2 DETERMINATION OF THE
BINDING SITE BETWEEN CREATINE KINASE BB AND IMMUNO GLOBULIN
G.
AUTHOR(S): STEIN W [Reprint author]; BOHNER J; KRAIS J; MUELLER M
CORPORATE SOURCE: MED UNIV KLINIK ABT IV, D-7400 TUEBINGEN
SOURCE: Journal of Clinical Chemistry and Clinical Biochemistry,
(1980) Vol. 18, No. 10, pp. 677.
Meeting Info.: JOINT CONGRESS OF THE SCANDINAVIAN AND
GERMAN SOCIETIES OF CLINICAL CHEMISTRY, HAMBURG, WEST
GERMANY, OCT. 8-11, 1980. J CLIN CHEM CLIN BIOCHEM.
CODEN: JCCBDT. ISSN: 0340-076X.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 104 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1981:146925 BIOSIS
DOCUMENT NUMBER: PREV198171016917; BA71:16917
TITLE: EFFECT OF AGE ON THE DETECTION RATE IN DUCHENNE MUSCULAR
DYSTROPHY.
AUTHOR(S): ZATZ M [Reprint author]; OTTO P A
CORPORATE SOURCE: LAB GENET HUM, INST BIOCIENC, UNIV SAO PAULO, CP 11461, SAO
PAULO, BRAZ
SOURCE: Journal of the Neurological Sciences, (1980) Vol. 47, No.
3, pp. 407-410.
CODEN: JNSCAG. ISSN: 0022-510X.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 105 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1981:1774 BIOSIS
DOCUMENT NUMBER: PREV198120001774; BR20:1774
TITLE: IMMEDIATE AND LONG-TERM HEMODYNAMIC SEQUELAE OF PERI
OPERATIVE MYO CARDIAL INFARCTION RELATED TO MYO CARDIAL RE
VASCULARIZATION.
AUTHOR(S): ROBERTS A J [Reprint author]; SPIES S M; MORAN J M; SANDERS
J H JR; MICHAELIS L L
CORPORATE SOURCE: DEP SURG, NORTHWEST UNIV MED SCH, CHICAGO, ILL, USA
SOURCE: Clinical Research, (1980) Vol. 28, No. 2, pp. 206A.
Meeting Info.: 37TH ANNUAL NATIONAL MEETING OF THE AMERICAN
FEDERATION FOR CLINICAL RESEARCH, WASHINGTON, D.C., USA,
MAY 10-12, 1980. CLIN RES.
CODEN: CLREAS. ISSN: 0009-9279.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 106 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1982:934 BIOSIS
DOCUMENT NUMBER: PREV198222000934; BR22:934
TITLE: MYO CARDIAL DAMAGE IN ACUTE BRAIN INJURY.
AUTHOR(S): KASTE M [Reprint author]; HERNESNIEMI J; KONTTINEN A;
HILLBOM M; SOMER H
CORPORATE SOURCE: DEP NEUROL, UNIV HELSINKI, HELSINKI, FINLAND
SOURCE: Acta Neurologica Scandinavica Supplementum, (1980) Vol. 62,
No. 78, pp. 191-192.
Meeting Info.: 23RD SCANDINAVIAN CONGRESS OF NEUROLOGY,
REYKJAVIK, ICELAND, JUNE 11-14, 1980. ACTA NEUROL SCAND
SUPPL.
CODEN: ANSLAC. ISSN: 0065-1427.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 107 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:285724 BIOSIS
DOCUMENT NUMBER: PREV198070078220; BA70:78220
TITLE: CARRIER DETECTION IN DUCHENNE MUSCULAR DYSTROPHY.
AUTHOR(S): FITZSIMMONS J S [Reprint author]; MCLACHLAN J I; REEVES W
G; MARRIOTT D W; WOOLFSON A M J; MAYHEW J
CORPORATE SOURCE: GENET COUNS SERV, CITY HOSP, HUCKNALL RD, NOTTINGHAM NG5
1PB, ENGL, UK
SOURCE: Journal of Medical Genetics, (1980) Vol. 17, No. 3, pp.
165-169.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 108 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:262865 BIOSIS
DOCUMENT NUMBER: PREV198070055361; BA70:55361
TITLE: THE USE OF AN IMMOBILIZED GLYCEROL DEHYDROGENASE EC-1.1.1.6
NYLON TUBE REACTOR IN THE DETERMINATION OF GLYCEROL.
AUTHOR(S): HINSCH W [Reprint author]; SUNDARAM P V
CORPORATE SOURCE: MED UNIV, ABT KLIN CHEM, ROBERT-KOCH-STR 40, D-3400
GOETTINGEN, W GER
SOURCE: Clinica Chimica Acta, (1980) Vol. 104, No. 1, pp. 87-94.
CODEN: CCATAR. ISSN: 0009-8981.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 109 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:104713 BIOSIS
DOCUMENT NUMBER: PREV198019042211; BR19:42211
TITLE: ASSESSMENT OF ERROR FLAGS GENERATED BY THE TECHNICON SMAC
SYSTEM AND THE PERKIN ELMER KA-150 ENZYME ANALYZER.
AUTHOR(S): ROBERTSON E A [Reprint author]; VAN STEIRTEGHEM A C; YOUNG
D S
CORPORATE SOURCE: CLIN PATHOL DEP, NATL INST HEALTH, BETHESDA, MD 20014, USA
SOURCE: Clinical Chemistry, (1979) Vol. 25, No. 6, pp. 1121.
Meeting Info.: 31ST NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY, NEW ORLEANS, LA., USA,
JULY 15-20, 1979. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)

FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 110 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:94351 BIOSIS
DOCUMENT NUMBER: PREV198019031849; BR19:31849
TITLE: AN EVALUATION OF A TOTAL CREATINE KINASE METHOD FOR THE
DUPONT AUTOMATIC CLINICAL ANALYZER.
AUTHOR(S): SASS M L [Reprint author]; STOREY J D; O'NEAL W R
CORPORATE SOURCE: ST LUKE'S HOSP, MILW, WIS 53215, USA
SOURCE: Clinical Chemistry, (1979) Vol. 25, No. 6, pp. 1101.
Meeting Info.: 31ST NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY, NEW ORLEANS, LA., USA,
JULY 15-20, 1979. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 111 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:94347 BIOSIS
DOCUMENT NUMBER: PREV198019031845; BR19:31845
TITLE: COMPARISON OF AGAROSE GEL ELECTROPHORESIS AND AN IMMUNO
INHIBITION METHOD IN THE DETERMINATION OF THE PRESENCE OF
CREATINE KINASE MB.
AUTHOR(S): MENARD L A [Reprint author]; DEMPSEY M E; BLANKSTEIN L A
CORPORATE SOURCE: CORNING MED, MEDFIELD, MASS 02052, USA
SOURCE: Clinical Chemistry, (1979) Vol. 25, No. 6, pp. 1100.
Meeting Info.: 31ST NATIONAL MEETING OF THE AMERICAN
ASSOCIATION FOR CLINICAL CHEMISTRY, NEW ORLEANS, LA., USA,
JULY 15-20, 1979. CLIN CHEM.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 112 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:244036 BIOSIS
DOCUMENT NUMBER: PREV197968046540; BA68:46540
TITLE: ANTE NATAL DIAGNOSIS OF DUCHENNE MUSCULAR DYSTROPHY.
AUTHOR(S): EMERY A E H [Reprint author]; BURT D; DUBOWITZ V; ROCKER I;
DONNAI D; HARRIS R; DONNAI P
CORPORATE SOURCE: UNIV DEP HUM GENET, WEST GEN HOSP, EDINBURGH, SCOTL, UK
SOURCE: Lancet, (1979) Vol. 1, No. 8121, pp. 847-849.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 113 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:11597 BIOSIS
DOCUMENT NUMBER: PREV198018011597; BR18:11597
TITLE: DOES DIRECT CURRENT CARDIO VERSION AFFECT ISO ENZYME
RECOGNITION OF MYO CARDIAL INFARCTION.
AUTHOR(S): REIFFEL J A [Reprint author]; MCCARTHY D M; LEAHEY E B JR
CORPORATE SOURCE: 161 FT WASHINGTON AVE, NEW YORK, NY 10032, USA
SOURCE: American Heart Journal, (1979) Vol. 97, No. 6, pp. 810-811.
CODEN: AHJOA2. ISSN: 0002-8703.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 114 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:230535 BIOSIS
DOCUMENT NUMBER: PREV197968033039; BA68:33039

TITLE: LEFT VENTRICULAR PERFORMANCE DURING AND AFTER SICKLE CELL
CRISIS.
AUTHOR(S): VAL-MEJIAS J [Reprint author]; LEE W K; WEISSE A B; REGAN T
J
CORPORATE SOURCE: NJ MED SCH, COLL MED DENT NJ, 100 BERGEN ST, NEWARK, NJ
07103, USA
SOURCE: American Heart Journal, (1979) Vol. 97, No. 5, pp. 585-591.
CODEN: AHJOA2. ISSN: 0002-8703.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 115 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:141514 BIOSIS
DOCUMENT NUMBER: PREV198069016510; BA69:16510
TITLE: CARRIER DETECTION IN DUCHENNE MUSCULAR DYSTROPHY EVIDENCE
FROM A STUDY OF OBLIGATORY CARRIERS AND MOTHERS OF ISOLATED
CASES.
AUTHOR(S): SIBERT J R [Reprint author]; HARPER P S; THOMPSON R J;
NEWCOMBE R G
CORPORATE SOURCE: DEP CHILD HEALTH, LLANDOUGH HOSP, PENARTH, CF6 1XX, WALES,
UK
SOURCE: Archives of Disease in Childhood, (1979) Vol. 54, No. 7,
pp. 534-537.
CODEN: ADCHAK. ISSN: 0003-9888.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 116 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:200419 BIOSIS
DOCUMENT NUMBER: PREV198069075415; BA69:75415
TITLE: TOXICITY OF PALLADIUM.
AUTHOR(S): LIU T Z [Reprint author]; LEE S D; BHATNAGAR R S
CORPORATE SOURCE: CENT ADV MED TECHNOL, SAN FRANC STATE UNIV, SAN FRANCISCO,
CALIF 94132, USA
SOURCE: Toxicology Letters (Shannon), (1979) Vol. 4, No. 6, pp.
469-474.
CODEN: TOLED5. ISSN: 0378-4274.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 117 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:97980 BIOSIS
DOCUMENT NUMBER: PREV197917037980; BR17:37980
TITLE: EXPERIMENTAL EXERTIONAL RHABDO MYOLYSIS IN THE RAT.
AUTHOR(S): TUNELL G; KNOCHEL J P; HALLER R G
SOURCE: Journal of Neuropathology and Experimental Neurology,
(1979) Vol. 38, No. 3, pp. 346.
CODEN: JNENAD. ISSN: 0022-3069.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 118 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:180387 BIOSIS
DOCUMENT NUMBER: PREV198069055383; BA69:55383
TITLE: GLUCOSE MEASUREMENTS A 1977 COLLEGE OF AMERICAN
PATHOLOGISTS SURVEY ANALYSIS.
AUTHOR(S): SHEIKO M C [Reprint author]; BURKHARDT R T; BATSAKIS J G
CORPORATE SOURCE: DEP PATHOL, UNIV MICH MED CENT, ANN ARBOR, MICH 48109, USA
SOURCE: American Journal of Clinical Pathology, (1979) Vol. 72, pp.
337-340.

CODEN: AJCPAI. ISSN: 0002-9173.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 119 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:216459 BIOSIS
DOCUMENT NUMBER: PREV197968018963; BA68:18963
TITLE: CARDIO VASCULAR AND METABOLIC MANIFESTATIONS OF HEAT STROKE
AND SEVERE HEAT EXHAUSTION.
AUTHOR(S): COSTRINI A M [Reprint author]; PITT H A; GUSTAFSON A B;
UDDIN D E
CORPORATE SOURCE: 2203 ABERCORN ST, SAVANNAH, GA 31401, USA
SOURCE: American Journal of Medicine, (1979) Vol. 66, No. 2, pp.
296-302.

CODEN: AJMEAZ. ISSN: 0002-9343.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 120 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:204349 BIOSIS
DOCUMENT NUMBER: PREV197968006853; BA68:6853
TITLE: SERUM CREATINE KINASE ISO ENZYME MB ACTIVITY EVALUATION OF
A KIT EMPLOYING AGAROSE GEL ELECTROPHORESIS WITH OVERLAY
PAPER FLUORESCENCE SCANNING.
AUTHOR(S): HAMILTON S R [Reprint author]; WIMSATT T; TORRIERI R; ROCK
R C
CORPORATE SOURCE: DEP LAB MED, JOHNS HOPKINS HOSP, 600 N WOLFE ST, BALTIMORE,
MD 21205, USA
SOURCE: Clinica Chimica Acta, (1979) Vol. 91, No. 3, pp. 285-294.
CODEN: CCATAR. ISSN: 0009-8981.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 121 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:132871 BIOSIS
DOCUMENT NUMBER: PREV198069007867; BA69:7867
TITLE: DETECTION PREDICTION AND SIGNIFICANCE OF PERI OPERATIVE MYO
CARDIAL INFARCTION FOLLOWING AORTA CORONARY BYPASS.
AUTHOR(S): FENNELL W H [Reprint author]; CHUA K G; COHEN L; MORGAN J;
KARUNARATNE H B; RESNEKOV L; AL-SADIR J; LIN C-Y; LAMBERTI
J J; ANAGNOSTOPOULOS C E
CORPORATE SOURCE: DEP CARDIOL, UNIV CHIC, BOX 401, 950 E 59TH ST, CHICAGO,
ILL 60637, USA
SOURCE: Journal of Thoracic and Cardiovascular Surgery, (1979) Vol.
78, No. 2, pp. 244-253.
CODEN: JTCSAQ. ISSN: 0022-5223.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 122 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:160371 BIOSIS
DOCUMENT NUMBER: PREV198069035367; BA69:35367
TITLE: MYO GLOBIN IN MYO CARDIAL INFARCTION RESULTS IN A CORONARY
CARE UNIT POPULATION.
AUTHOR(S): OXLEY D K [Reprint author]; BOLTON M R; SHAEFFER C W
CORPORATE SOURCE: DEP PATHOL, ST JOSEPH HOSP, 1000 W CARONDELET DR, KANSAS
CITY, MO 64114, USA
SOURCE: American Journal of Clinical Pathology, (1979) Vol. 72, No.
2, pp. 137-141.
CODEN: AJCPAI. ISSN: 0002-9173.

DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 123 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1981:36561 BIOSIS
DOCUMENT NUMBER: PREV198120036561; BR20:36561
TITLE: USE OF BAYES PROBABILITIES IN GENETIC COUNSELING FOR
DUCHENNES DISEASE.
AUTHOR(S): DODINVAL P [Reprint author]
CORPORATE SOURCE: SERVICE DE GENETIQUE HUMAINE, QUAI G KURTH 40, B-4020
LIEGE, BELG
SOURCE: Journal de Genetique Humaine, (1979) Vol. 27, No. 2, pp.
131-144.
CODEN: JGHUAY. ISSN: 0021-7743.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: FRENCH

L20 ANSWER 124 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:185326 BIOSIS
DOCUMENT NUMBER: PREV197967065326; BA67:65326
TITLE: ENZYMATIC INDICES OF MYO CARDIAL NECROSIS INFLUENCE ON
SHORT-TERM AND LONG-TERM PROGNOSIS AFTER MYO CARDIAL
INFARCTION.
AUTHOR(S): THOMPSON P L [Reprint author]; FLETCHER E E; KATAVATIS V
CORPORATE SOURCE: DEP CARDIOVASC MED, QUEEN ELIZABETH II MED CENT, PERTH,
WEST AUST 6009, AUST
SOURCE: Circulation, (1979) Vol. 59, No. 1, pp. 113-119.
CODEN: CIRCAZ. ISSN: 0009-7322.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 125 OF 166 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 79128510 EMBASE
DOCUMENT NUMBER: 1979128510
TITLE: Interaction between human IgG and human creatine kinase
isoenzyme-1 in serum: A route for the intravascular
catabolism of creatine kinase-1?
AUTHOR: Prabhakaran V.; Nealon D.A.; Henderson A.R.
CORPORATE SOURCE: Dept. Clin. Biochem., Univ. Hosp., London, Ont. N6A 5A5,
Canada
SOURCE: Clinical Chemistry, (1979) 25/1 (112-116).
CODEN: CLCHAU
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 029 Clinical Biochemistry
026 Immunology, Serology and Transplantation
018 Cardiovascular Diseases and Cardiovascular Surgery
LANGUAGE: English

L20 ANSWER 126 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:1399 BIOSIS
DOCUMENT NUMBER: PREV198018001399; BR18:1399
TITLE: ESTIMATION OF MYO CARDIAL DAMAGE AFTER OPEN HEART SURGERY
BY CREATINE KINASE ISO ENZYMES.
AUTHOR(S): MUEHLBERGER W [Reprint author]; DIENSTL F; GSCHNITZER F;
HACKL J M; PUSCHENDORF B; LOCHS A
CORPORATE SOURCE: KLIN INN MED, ANICHSTR 35, A-6020 INNSBRUCK, AUSTRIA
SOURCE: Zeitschrift fuer Kardiologie, (1979) Vol. 68, No. 1, pp.
50-52.
CODEN: ZKRDAX. ISSN: 0300-5860.

DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: GERMAN

L20 ANSWER 127 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:29713 BIOSIS
DOCUMENT NUMBER: PREV198018029713; BR18:29713
TITLE: NEURO MUSCULAR DYS FUNCTION AND VULNERABILITY TO PSYCHOSIS.
AUTHOR(S): MELTZER H Y [Reprint author]; GOODE D J; ARORA R C; ET AL
CORPORATE SOURCE: DEP PSYCHIATRY, UNIV CHIC PRITZKER SCH MED, CHICAGO, ILL,
USA
SOURCE: Psychopharmacology Bulletin, (1979) Vol. 15, No. 1, pp.
43-44.
Meeting Info.: 16TH ANNUAL MEETING OF THE AMERICAN COLLEGE
OF NEUROPSYCHOPHARMACOLOGY, SAN JUAN, PUERTO RICO, DEC.
14-16, 1977. PSYCHOPHARMACOL BULL.
CODEN: PSYBB9. ISSN: 0048-5764.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 128 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:1451 BIOSIS
DOCUMENT NUMBER: PREV198018001451; BR18:1451
TITLE: ASPECTS ON PROGNOSTICATION IN MYO CARDIAL INFARCTION.
AUTHOR(S): HELMERS C [Reprint author]
CORPORATE SOURCE: DEP MED, KAROLINSKA INST SERAFIMER LASARETTET, STOCKLHOM,
SWED
SOURCE: European Journal of Cardiology, (1979) Vol. 10, No. 1; pp.
1-6.
CODEN: EJCDDB. ISSN: 0301-4711.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 129 OF 166 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1979:35405 HCAPLUS
DOCUMENT NUMBER: 90:35405
TITLE: Relative merits of two electrophoretic and two
column-chromatographic kits for determining serum
creatine kinase isoenzyme MB activity
AUTHOR(S): Hamlin, Clive; Ackerman, Edward
CORPORATE SOURCE: Inst. Pathol., Case Western Reserve Univ. Sch. Med.,
Cleveland, OH, USA
SOURCE: Clinical Chemistry (Washington, DC, United States)
(1978), 24(11), 2013-17
CODEN: CLCHAU; ISSN: 0009-9147
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 130 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1978:96571 BIOSIS
DOCUMENT NUMBER: PREV197815040071; BR15:40071
TITLE: AN IMPROVED KINETIC GLUCOSE DETERMINATION.
AUTHOR(S): ADOLF P K; HOSKIN S P
SOURCE: Clinical Chemistry, (1978) Vol. 24, No. 6, pp. 1015.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 131 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:153321 BIOSIS
DOCUMENT NUMBER: PREV197967033321; BA67:33321

TITLE: RESULTS AND PATTERNS OF PERI OPERATIVE MYO CARDIAL
INFARCTION.
AUTHOR(S): YOUNG D J [Reprint author]; UTLEY J R; DAMRON J R; TODD E
P; KUO C-S; DELAND F; ATWOOD A; MOBLEY S
CORPORATE SOURCE: DIV CARDIO-THORAC SURG, UNIV CALIF, 225 W DICKINSON ST, SAN
DIEGO, CALIF 92103, USA
SOURCE: Journal of Thoracic and Cardiovascular Surgery, (1978) Vol.
76, No. 4, pp. 528-532.
CODEN: JTCSAQ. ISSN: 0022-5223.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 132 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1979:148247 BIOSIS
DOCUMENT NUMBER: PREV197967028247; BA67:28247
TITLE: MYO GLOBINEMIA IN DUCHENNE MUSCULAR DYSTROPHY PATIENTS AND
CARRIERS A NEW ADJUNCT TO CARRIER DETECTION.
AUTHOR(S): ADORNATO B T [Reprint author]; KAGEN L J; ENGEL W K
CORPORATE SOURCE: MED NEUROL BRANCH, NATL INST NEUROL COMMUN DISORD STROKE,
BETHESDA, MD 20014, USA
SOURCE: Lancet, (1978) Vol. 2, No. 8088, pp. 499-501.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 133 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1980:66335 BIOSIS
DOCUMENT NUMBER: PREV198019003833; BR19:3833
TITLE: AN IMPROVED METHOD FOR CARRIER DETECTION IN DUCHENNE
MUSCULAR DYSTROPHY.
AUTHOR(S): PERCY M E [Reprint author]; CHANG L; OSS I; PITT M A;
VERELLEN C; THOMPSON M W
CORPORATE SOURCE: HOSP SICK CHILD, TORONTO, ONT, CAN
SOURCE: American Journal of Human Genetics, (1978) Vol. 30, No. 6,
pp. 63A.
Meeting Info.: 29TH ANNUAL MEETING OF THE AMERICAN SOCIETY
OF HUMAN GENETICS, VANCOUVER, B.C., CANADA, OCT. 4-7, 1978.
HUM GENET.
CODEN: AJHGAG. ISSN: 0002-9297.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L20 ANSWER 134 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1978:82562 BIOSIS
DOCUMENT NUMBER: PREV197815026062; BR15:26062
TITLE: GENETIC CONSIDERATIONS IN NEURO MUSCULAR DISEASES.
AUTHOR(S): ROWLEY P T
SOURCE: (1977) pp. 227-233. GRIGGS, ROBERT C. AND RICHARD T.
MOXLEY, III (ED.). ADVANCES IN NEUROLOGY, VOL. 17.
TREATMENT OF NEUROMUSCULAR DISEASES. XIV+370P. ILLUS. RAVEN
PRESS: NEW YORK, N.Y., USA. ISBN 0-89004-113-X.
DOCUMENT TYPE: Book
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 135 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1978:146063 BIOSIS
DOCUMENT NUMBER: PREV197865033063; BA65:33063
TITLE: CREATINE KINASE EC-2.7.3.2 REEXAMINATION OF OPTIMUM
REACTION CONDITIONS.
AUTHOR(S): MORIN L G [Reprint author]
CORPORATE SOURCE: LAB SERV, VETERANS ADM HOSP, DECATUR, GA 30033, USA

SOURCE: Clinical Chemistry, (1977) Vol. 23, No. 9, pp. 1569-1575.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 136 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:202718 BIOSIS
DOCUMENT NUMBER: PREV197764025082; BA64:25082
TITLE: INFARCT SIZE AND EXERCISE CAPACITY AFTER MYO CARDIAL
INFARCTION.
AUTHOR(S): CARTER C L; AMUNDSEN L R
SOURCE: Journal of Applied Physiology, (1977) Vol. 42, No. 5, pp.
782-785.
CODEN: JAPYAA. ISSN: 0021-8987.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 137 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:178090 BIOSIS
DOCUMENT NUMBER: PREV197764000454; BA64:454
TITLE: SEPARATION OF SERUM CREATINE KINASE EC-2.7.3.2 ISO ENZYMES
BY ION EXCHANGE COLUMN CHROMATOGRAPHY.
AUTHOR(S): KLEIN B; FOREMAN J A; JEUNELOT C L; SHEEHAN J E
SOURCE: Clinical Chemistry, (1977) Vol. 23, No. 3, pp. 504-510.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 138 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1978:138169 BIOSIS
DOCUMENT NUMBER: PREV197865025169; BA65:25169
TITLE: SERUM ENZYMES AND ISO ENZYMES AFTER SURGERY.
AUTHOR(S): KRAFFT J [Reprint author]; FINK R; ROSALKI S B
CORPORATE SOURCE: DEP DIAGN CHEM PATHOL, ST MARY'S HOSP, LONDON W2, ENGL, UK
SOURCE: Annals of Clinical Biochemistry, (1977) Vol. 14, No. 5, pp.
294-296.
CODEN: ACBOBU. ISSN: 0004-5632.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 139 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1978:176756 BIOSIS
DOCUMENT NUMBER: PREV197865063756; BA65:63756
TITLE: MYX EDEMA MYOPATHY A CASE REPORT.
AUTHOR(S): EMSER W [Reprint author]; SCHIMRIGK K
CORPORATE SOURCE: NEUROL UNIVERSITAETS-POLIKLIN, JOSEF-SCHNEIDER-STR 11,
D-8700 WUERZBURG, W GER
SOURCE: European Neurology, (1977) Vol. 16, No. 1-6, pp. 286-292.
CODEN: EUNEAP. ISSN: 0014-3022.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 140 OF 166 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 78022891 MEDLINE
DOCUMENT NUMBER: 78022891 PubMed ID: 912901
TITLE: Measurement of creatine kinase Z in human sera using a
DEAE-cellulose mini-column method.
AUTHOR: Leroux M; Jacobs H K; Rabkin S W; Desjardins P R
SOURCE: CLINICA CHIMICA ACTA, (1977 Oct 15) 80 (2) 253-64.

Journal code: 1302422. ISSN: 0009-8981.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197712
ENTRY DATE: Entered STN: 19900314
Last Updated on STN: 19900314
Entered Medline: 19771229

L20 ANSWER 141 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1978:183499 BIOSIS
DOCUMENT NUMBER: PREV197865070499; BA65:70499
TITLE: QUANTITATIVE ELECTRO MYOGRAPHY AND HISTOLOGICAL CARRIER
DETECTION OF DUCHENNE MUSCLE DYSTROPHY.
AUTHOR(S): SCARLATO G [Reprint author]; VALLI G; MEOLA G; CARENINI L
CORPORATE SOURCE: DEP NEUROL, MED SCH, UNIV MILAN, MILAN, ITALY
SOURCE: Journal of Neurology, (1977) Vol. 216, No. 4, pp. 235-250.
CODEN: JNRYA9. ISSN: 0340-5354.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 142 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:165971 BIOSIS
DOCUMENT NUMBER: PREV197763060835; BA63:60835
TITLE: EVALUATION OF CURRENT METHODS FOR CREATINE KINASE
EC-2.7.3.2 ISO ENZYME FRACTIONATION.
AUTHOR(S): MORIN L G
SOURCE: Clinical Chemistry, (1977) Vol. 23, No. (2 PART 1), pp.
205-210.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 143 OF 166 MEDLINE on STN DUPLICATE 7
ACCESSION NUMBER: 76208804 MEDLINE
DOCUMENT NUMBER: 76208804 PubMed ID: 179733
TITLE: Evaluation of adenosine 5'-monophosphate and fluoride as
adenylate kinase inhibitors in the creatine kinase assay.
AUTHOR: Rosano T G; Clayson K J; Strandjord P E
SOURCE: CLINICAL CHEMISTRY, (1976 Jul) 22 (7) 1078-83.
Journal code: 9421549. ISSN: 0009-9147.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197608
ENTRY DATE: Entered STN: 19900313
Last Updated on STN: 19970203
Entered Medline: 19760823

L20 ANSWER 144 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:43628 BIOSIS
DOCUMENT NUMBER: PREV197713043628; BR13:43628
TITLE: CARRIER DETECTION AND GENETIC COUNSELING IN DUCHENNE
MUSCULAR DYSTROPHY A FOLLOW-UP STUDY.
AUTHOR(S): HUTTON E M; THOMPSON M W
SOURCE: Canadian Medical Association Journal, (1976) Vol. 115, No.
8, pp. 749-752.
ISSN: 0820-3946.
DOCUMENT TYPE: Article
FILE SEGMENT: BR

LANGUAGE: Unavailable

L20 ANSWER 145 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1976:75251 BIOSIS
DOCUMENT NUMBER: PREV197612075251; BR12:75251
TITLE: DUAL MYO CARDIAL IMAGING WITH TECHNETIUM-99M PYRO PHOSPHATE
AND THALLIUM-201 FOR DIAGNOSING AND SIZING ACUTE MYO
CARDIAL INFARCTION.
AUTHOR(S): HENNING H; SCHELBERT H; O'ROUKE R A; RIGHETTI A; HARDARSON
T; ASHBURN W
SOURCE: Journal of Nuclear Medicine, (1976) Vol. 17, No. 6, pp.
524.
CODEN: JNMEAQ. ISSN: 0161-5505.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 146 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:129646 BIOSIS
DOCUMENT NUMBER: PREV197763024510; BA63:24510
TITLE: THE USE OF MASS FRAGMENTOGRAPHY IN THE EVALUATION OF
ROUTINE METHODS FOR GLUCOSE DETERMINATION.
AUTHOR(S): BJORKHEM I; BLOMSTRAND R; FALK O; OHMAN G
SOURCE: Clinica Chimica Acta, (1976) Vol. 72, No. 3, pp. 353-362.
CODEN: CCATAR. ISSN: 0009-8981.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 147 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1976:170305 BIOSIS
DOCUMENT NUMBER: PREV197662000305; BA62:305
TITLE: COMPARISON OF RESULTS FOR 13 CLINICAL LABORATORY
DETERMINATIONS WITH 3 AUTOMATED ANALYTICAL SYSTEMS.
AUTHOR(S): SAMPSON E J; DERCK D D; DEMERS L M
SOURCE: Clinical Chemistry, (1976) Vol. 22, No. 3, pp. 346-349.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 148 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1976:78684 BIOSIS
DOCUMENT NUMBER: PREV197612078684; BR12:78684
TITLE: MYOPATHIC CHANGES IN LANDRY GUILLAIN BARRE SYNDROME.
AUTHOR(S): SMITH M T; BURTON R M; HUNTINGTON H W
SOURCE: Journal of Neuropathology and Experimental Neurology,
(1976) Vol. 35, No. 3, pp. 306.
CODEN: JNENAD. ISSN: 0022-3069.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 149 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:7979 BIOSIS
DOCUMENT NUMBER: PREV197713007979; BR13:7979
TITLE: NEURO MUSCULAR DYS FUNCTION IN SCHIZOPHRENIA.
AUTHOR(S): MELTZER H Y
SOURCE: Schizophrenia Bulletin, (1976) Vol. 2, No. 1, pp. 105-135.
ISSN: 0586-7614.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 150 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1977:46257 BIOSIS
DOCUMENT NUMBER: PREV197713046257; BR13:46257
TITLE: INFARCT SIZE AND EXERCISE CAPACITY AFTER MYO CARDIAL
INFARCTION.
AUTHOR(S): CARTER C L; AMUNDSEN L R
SOURCE: Medicine and Science in Sports, (1976) Vol. 8, No. 1, pp.
49.
CODEN: MSCSBJ. ISSN: 0025-7990.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 151 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:234504 BIOSIS
DOCUMENT NUMBER: PREV197560064500; BA60:64500
TITLE: KINETIC DETERMINATION OF GLUCOSE WITH THE GEMSAEC
CENTRIFUGAL ANALYZER BY THE GLUCOSE DEHYDROGENASE
EC-1.1.1.47 REACTION AND COMPARISON WITH 2 COMMONLY USED
PROCEDURES.
AUTHOR(S): LUTZ R A; FLUECKIGER J
SOURCE: Clinical Chemistry, (1975) Vol. 21, No. 10, pp. 1372-1377.
CODEN: CLCHAU. ISSN: 0009-9147.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 152 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:230897 BIOSIS
DOCUMENT NUMBER: PREV197560060893; BA60:60893
TITLE: THE DETECTION OF CARRIERS OF BENIGN BECKER TYPE X LINKED
MUSCULAR DYSTROPHY.
AUTHOR(S): SKINNER R; EMERY A E H; ANDERSON A J B; FOXALL C
SOURCE: Journal of Medical Genetics, (1975) Vol. 12, No. 2, pp.
131-134.
CODEN: JMDGAE. ISSN: 0022-2593.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 153 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:226005 BIOSIS
DOCUMENT NUMBER: PREV197560056001; BA60:56001
TITLE: EFFECT OF **HUMAN SERUM** PLUS STREPTO
KINASE ON SPONTANEOUS PULMONARY METASTASES OF VX-2
CARCINOMAS TRANSPLANTED IN THE MAXILLARY SINUS OF THE
RABBIT.
AUTHOR(S): SUGIMURA M; TSUBAKIMOTO M; KASHIBAYASHI Y; KAWAKATSU K
SOURCE: International Journal of Oral Surgery, (1975) Vol. 4, No.
3, pp. 112-120.
CODEN: IJOSB6. ISSN: 0300-9785.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 154 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:34736 BIOSIS
DOCUMENT NUMBER: PREV197511034736; BR11:34736
TITLE: NONTRAUMATIC RHABDO MYOLYSIS AND ACUTE RENAL FAILURE.
AUTHOR(S): GROSSMAN R A; HAMILTON R W; MORSE B M; PENN A S; GOLDBERG M
SOURCE: New England Journal of Medicine, (1974) Vol. 291, No. 16,
pp. 807-811.
CODEN: NEJMAG. ISSN: 0028-4793.
DOCUMENT TYPE: Article

FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 155 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:162067 BIOSIS
DOCUMENT NUMBER: PREV197559062067; BA59:62067
TITLE: BIOCHEMICAL CHANGES OF A MUSCULAR DYSTROPHY OF MINK.
AUTHOR(S): HEGREBERG G A; HAMILTON M J; CAMACHO Z; GORHAM J R
SOURCE: Clinical Biochemistry, (1974) Vol. 7, No. 4, pp. 313-319.
CODEN: CLBIAS. ISSN: 0009-9120.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 156 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:114470 BIOSIS
DOCUMENT NUMBER: PREV197559014470; BA59:14470
TITLE: THE MANIFESTING CARRIER IN DUCHENNE MUSCULAR DYSTROPHY.
AUTHOR(S): MOSER H; EMERY A E H
SOURCE: Clinical Genetics, (1974) Vol. 5, No. 4, pp. 271-284.
CODEN: CLGNAY. ISSN: 0009-9163.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 157 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1975:125290 BIOSIS
DOCUMENT NUMBER: PREV197559025290; BA59:25290
TITLE: CARRIER DETECTION IN DUCHENNE TYPE MUSCULAR DYSTROPHY.
AUTHOR(S): MORGAN G
SOURCE: Australian and New Zealand Journal of Medicine, (1974) Vol. 4, No. 2, pp. 196-197.
CODEN: ANZJB8. ISSN: 0004-8291.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 158 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1973:134799 BIOSIS
DOCUMENT NUMBER: PREV197355034792; BA55:34792
TITLE: CLOFIBRATE INDUCED ACUTE MUSCULAR SYNDROME.
AUTHOR(S): SEKOWSKI I; SAMUEL P
SOURCE: American Journal of Cardiology, (1972) Vol. 30, No. 5, pp. 572-574.
CODEN: AJCDAG. ISSN: 0002-9149.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 159 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1972:117215 BIOSIS
DOCUMENT NUMBER: PREV197253017215; BA53:17215
TITLE: CHRONIC PROGRESSIVE EXTERNAL OPHTHALMOPLÉGIA AND PIGMENTARY DEGENERATION OF THE RETINA.
AUTHOR(S): MILLS P V; BOWEN D I; THOMSON D S
SOURCE: British Journal of Ophthalmology, (1971) Vol. 55, No. 5, pp. 302-311.
CODEN: BJOPAL. ISSN: 0007-1161.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 160 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1972:102214 BIOSIS

DOCUMENT NUMBER: PREV197253002214; BA53:2214
TITLE: DUCHENNE MUSCULAR DYSTROPHY USE OF RUBIDIUM CHLORIDE
RUBIDIUM-86 IN THE DETECTION OF CARRIERS OF THE GENE.
AUTHOR(S): BRADLEY W G; GARDNER-MEDWIN D; HAGGITH J; WALTON J N; HESP
R
SOURCE: Archives of Neurology, (1971) Vol. 25, No. 3, pp. 193-197.
CODEN: ARNEAS. ISSN: 0003-9942.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 161 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1972:131562 BIOSIS
DOCUMENT NUMBER: PREV197253031562; BA53:31562
TITLE: FURTHER STUDIES CONCERNING THE DETECTION OF CARRIERSHIP IN
THE DUCHENNE TYPE OF DYSTROPHY.
AUTHOR(S): HAUSMANOWA-PETRUSEWICZ I; PROT J; DOBOSZ I; EMERYK B;
ROWINSKA K; RUBACH K; KOPEC A; KOPEC J
SOURCE: European Neurology, (1971) Vol. 5, No. 3, pp. 186-196.
CODEN: EUNEAP. ISSN: 0014-3022.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 162 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1971:33829 BIOSIS
DOCUMENT NUMBER: PREV197107033829; BR07:33829
TITLE: CLINICAL CHEMICAL INVESTIGATIONS IN CASES OF POISONING DUE
TO SOPORIFICS.
AUTHOR(S): POEPLAU W; PRELLWITZ W; BAUM P; SCHOENBORN H H; BRODERSEN H
C; SCHUSTER H C
SOURCE: Medizinische Welt, (1970) Vol. 34, pp. 1440.
CODEN: MEWEAC. ISSN: 0025-8512.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 163 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1971:65029 BIOSIS
DOCUMENT NUMBER: PREV197107065029; BR07:65029
TITLE: THE SOURCE OF THE INCREASED ENZYMES IN SERUM IN THE CASE OF
MYO CARDIAL INFARCTION.
AUTHOR(S): YAGITA M; HARADA T; MATSUOKA M; OHTO Y; OHSHIMA I; TOYOTA
R; MIYOSHI K
SOURCE: Japanese Circulation Journal, (1970) Vol. 34, No. 9, pp.
807-808.
CODEN: JCIRA2. ISSN: 0047-1828.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: Unavailable

L20 ANSWER 164 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1971:177634 BIOSIS
DOCUMENT NUMBER: PREV197152087634; BA52:87634
TITLE: CARDIAC ARRHYTHMIA FOLLOWING A HORNET STING.
AUTHOR(S): DURIE B G M; PETERS G A
SOURCE: Annals of Allergy, (1970) Vol. 28, No. 12, pp. 569-572.
CODEN: ANAEA3. ISSN: 0003-4738.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: Unavailable

L20 ANSWER 165 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1970:25029 BIOSIS

DOCUMENT NUMBER: PREV197006025029; BR06:25029
 TITLE: GENETIC COUNSELING IN DUCHENNE MUSCULAR DYSTROPHY.
 AUTHOR(S): EMERY A E H; WILKINSON E; MURPHY E A
 SOURCE: (1969) pp. 106-110. BARBEAU, ANDRE AND JEAN-REAL BRUNETTE
 (EDITORS). EXCERPTA MEDICA. INTERNATIONAL CONGRESS SERIES.
 NO. 175. PROGRESS IN NEURO-GENETICS. XV + 873P. ILLUS.
 EXCERPTA MEDICA FOUNDATION: AMSTERDAM, THE NETHERLANDS.
 1969.
 DOCUMENT TYPE: Book
 FILE SEGMENT: BR
 LANGUAGE: Unavailable

L20 ANSWER 166 OF 166 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1970:29172 BIOSIS
 DOCUMENT NUMBER: PREV197006029172; BR06:29172
 TITLE: ENZYME DIAGNOSIS OF MENTAL ILLNESS.
 AUTHOR(S): ANON
 SOURCE: Laboratory Management, (1969) Vol. 7, No. 7, pp. 22.
 CODEN: LABMAS. ISSN: 0023-6845.
 DOCUMENT TYPE: Article
 FILE SEGMENT: BR
 LANGUAGE: Unavailable

=> e lang f/au

E1	1	LANG EVELIN/AU
E2	2	LANG EVERETT H/AU
E3	3150 -->	LANG F/AU
E4	2	LANG F */AU
E5	64	LANG F A/AU
E6	1	LANG F B/AU
E7	29	LANG F C/AU
E8	7	LANG F D/AU
E9	127	LANG F F/AU
E10	2	LANG F F JR/AU
E11	1	LANG F G/AU
E12	34	LANG F H/AU

=> s e3

L21 3150 "LANG F"/AU

=> e waldegger s/au

E1	5	WALDEGGER LISA/AU
E2	9	WALDEGGER M/AU
E3	361 -->	WALDEGGER S/AU
E4	1	WALDEGGER SIEGFREID/AU
E5	2	WALDEGGER SIEGFRID/AU
E6	122	WALDEGGER SIEGFRIED/AU
E7	2	WALDEGGER SIEGRIED/AU
E8	1	WALDEGGER W/AU
E9	1	WALDEGRAVE/AU
E10	2	WALDEGRAVE C/AU
E11	2	WALDEGRAVE M/AU
E12	18	WALDEGRAVE W/AU

=> s e3-e7

L22 488 ("WALDEGGER S"/AU OR "WALDEGGER SIEGFREID"/AU OR "WALDEGGER
 SIEGFRID"/AU OR "WALDEGGER SIEGFRIED"/AU OR "WALDEGGER SIEGRIED"
 /AU)

=> s l21 or l22

L23 3321 L21 OR L22

=> d his

(FILE 'HOME' ENTERED AT 15:11:54 ON 05 DEC 2003)

FILE 'MEDLINE' ENTERED AT 15:12:04 ON 05 DEC 2003

E WEBSTER R/AU

E WEBSTER M K/AU

L1 19 S E3
L2 6 S "AGK"/TI
L3 0 S L1 AND L2
L4 53 S "SGK"/TI
L5 1 S L1 AND L4
E WALDEGER S/AU
L6 49 S ANISOTONIC/TI
L7 68 S E8
L8 1 S L6 AND L7

FILE 'HOME' ENTERED AT 15:22:07 ON 05 DEC 2003

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 15:54:36 ON 05 DEC 2003

L9 2835796 S SERUM OR GLUCOCORTICOID
L10 12934 S L9 (5W) KINASE?
L11 7514 S HUMAN AND L10
L12 40 S "H-SGK"
L13 7531 S L11 OR L12
L14 5444306 S CLONM? OR EXPRESS? OR RECOMBINANT
L15 6261292 S CLON? OR EXPRESS? OR RECOMBINANT
L16 1008 S L13 AND L15
L17 20 DUP REM L12 (20 DUPLICATES REMOVED)
L18 10065 S L9 (2W) KINASE?
L19 184 S HUMAN(A) L18
L20 166 DUP REM L19 (18 DUPLICATES REMOVED)
E LANG F/AU
L21 3150 S E3
E WALDEGGER S/AU
L22 488 S E3-E7
L23 3321 S L21 OR L22

=> s l23 and l12

L24 35 L23 AND L12

=> dup rem l24

PROCESSING COMPLETED FOR L24

L25 16 DUP REM L24 (19 DUPLICATES REMOVED)

=> d 1-16 ibib ab

L25 ANSWER 1 OF 16 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 2002:246823 SCISEARCH

THE GENUINE ARTICLE: 530ND

TITLE: Cerebral localization and regulation of the cell
volume-sensitive serum- and glucocorticoid-dependent
kinase SGK1

AUTHOR: Warntges S; Friedrich B; Henke G; Duranton C; Lang P A;
Waldegger S; Meyermann R; Kuhl D; Speckmann E J;
Obermuller N; Witzgall R; Mack A F; Wagner H J; Wagner C
A; Broer S; **Lang F (Reprint)**

CORPORATE SOURCE: Univ Tübingen, Inst Physiol, Gmelinstr 5, D-72076
Tübingen, Germany (Reprint); Univ Tübingen, Inst Physiol,
D-72076 Tübingen, Germany; Univ Tübingen, Dept Brain Res,
D-72076 Tübingen, Germany; Univ Hamburg, Zentrum Mol
Neurobiol, Hamburg, Germany; Univ Münster, Dept Physiol,
D-4400 Münster, Germany; Univ Heidelberg, Dept Anat,
D-6900 Heidelberg, Germany; Univ Tübingen, Dept Anat,

D-72076 Tübingen, Germany; Yale Univ, Dept Cellular & Mol
 Physiol, New Haven, CT USA
 COUNTRY OF AUTHOR: Germany; USA
 SOURCE: PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, (FEB 2002)
 Vol. 443, No. 4, pp. 617-624.
 Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY
 10010 USA.
 ISSN: 0031-6768.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 42

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB The serum- and glucocorticoid-dependent kinase SGK1 is regulated by
 alterations of cell volume, whereby cell shrinkage increases and cell
 swelling decreases the transcription, expression and activity of SGK1. The
 kinase is expressed in all human tissues studied including the brain. The
 present study was performed to localize the sites of SGK1 transcription in
 the brain, to elucidate the influence of the hydration status on SGK1
 transcription and to explore the functional significance of altered SGK1
 expression. Northern blot analysis of human brain showed SGK1 to be
 expressed in all cerebral structures examined: amygdala, caudate nucleus,
 corpus callosum, hippocampus, substantia nigra, subthalamic nucleus and
 thalamus. In situ hybridization and immunohistochemistry in the rat
 revealed increased expression of SGK1 in neurons of the hippocampal area
 CA3 after dehydration, compared with similar slices from brains of
 euvoletic rats. Additionally, several oligodendrocytes, a few microglial
 cells, but no astrocytes, were positive for SGK1. The abundance of SGK1
 mRNA in the temporal lobe, including hippocampus, was increased by
 dehydration and SGK1 transcription in neuroblastoma cells was stimulated
 by an increase of extracellular osmolarity. Co-expression studies in
Xenopus laevis oocytes revealed that SGK1 markedly increased the activity
 of the neuronal K⁺ channel Kv1.3. As activation of K⁺ channels modifies
 excitation of neuronal cells, SGK1 may participate in the regulation of
 neuronal excitability.

L25 ANSWER 2 OF 16 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 2003:241577 SCISEARCH
 THE GENUINE ARTICLE: 654HJ
 TITLE: Activation of Na⁺/K⁺-ATPase by the serum and
 glucocorticoid-dependent kinase isoforms
 AUTHOR: Henke G; Setiawan I; Bohmer C; Lang F (Reprint)
 CORPORATE SOURCE: Univ Tübingen, Inst Physiol, Gmelinstr 5, D-72076
 Tübingen, Germany (Reprint); Univ Tübingen, Inst Physiol,
 D-72076 Tübingen, Germany
 COUNTRY OF AUTHOR: Germany
 SOURCE: KIDNEY & BLOOD PRESSURE RESEARCH, (DEC 2002) Vol. 25, No.
 6, pp. 370-374.
 Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL,
 SWITZERLAND.
 ISSN: 1420-4096.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 49

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB Background/Aim: Expression of the constitutively active form of serum
 and glucocorticoid-dependent kinase ((S422D)SGK1) in *Xenopus* oocytes has
 recently been shown to upregulate endogenous Na⁺/K⁺-ATPase activity, an
 effect presumably participating in the regulation of cellular K⁺ uptake
 and transepithelial Na⁺ transport. SGK1 and the two isoforms SGK2 and SGK3
 are stimulated by insulin and insulin-like growth factor-1 (IGF-1), which
 have been shown to enhance Na⁺/K⁺-ATPase activity in a variety of cells.
 The present experiments have been performed to elucidate whether or not
 wild-type SGK1, SGK2 and SGK3 are similar to (S422D)SGK1 in being
 effective regulators of Na⁺/K⁺-ATPase. Methods: To this end,

dual-electrode voltage clamp experiments were performed in *Xenopus* oocytes injected either with water or with mRNA of constitutively active (S422D)SGK1 and wild-type SGK1, SGK2 or SGK3. Na⁺/K⁺-ATPase activity was estimated from the outward-directed current created by readdition of extracellular K⁺ in the presence of K⁺ channel blocker Ba²⁺ following a 10-min exposure to K⁺-free extracellular fluid. Results: The outward-directed current was fully abolished by incubation with 1 mM ouabain and was significantly larger in oocytes expressing (S422D)SGK1, SGK1, SGK2 or SGK3, as compared to those injected with water. Conclusion: The stimulating effect of SGK1 on the *Xenopus* oocyte Na⁺/K⁺-ATPase is mimicked by the isoforms SGK2 and SGK3. Thus, all three kinases may participate in the regulation of Na⁺/K⁺-ATPase activity by hormones such as insulin and IGF-1. Copyright (C) 2002 S. Karger AG, Basel.

L25 ANSWER 3 OF 16 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 ACCESSION NUMBER: 2002:289276 SCISEARCH
 THE GENUINE ARTICLE: 536XJ
 TITLE: Expression of the serine/threonine kinase hSGK1 in chronic viral hepatitis
 AUTHOR: Fillon S; Klingel K; Warntges S; Sauter M; Gabrys S; Pestel S; Tanneur V; Waldegger S; Zipfel A; Viebahn R; Broer S; Kandolf R; Lang F (Reprint)
 CORPORATE SOURCE: Univ Tübingen, Inst Physiol, Dept Physiol, Gmelinstr 5, D-72076 Tübingen, Germany (Reprint); Univ Tübingen, Inst Physiol, Dept Physiol, D-72076 Tübingen, Germany; Univ Tübingen, Dept Mol Pathol, D-72076 Tübingen, Germany; Univ Düsseldorf, Dept Internal Med, D-4000 Düsseldorf, Germany; Univ Tübingen, Dept Surg, D-72076 Tübingen, Germany; Australian Natl Univ, Sch Biochem & Mol Biol, Canberra, ACT, Australia
 COUNTRY OF AUTHOR: Germany; Australia
 SOURCE: CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, (DEC 2002) Vol. 12, No. 1, pp. 47-54.
 Publisher: KARGER, ALLSCHWILERSTRASSE 10, CH-4009 BASEL, SWITZERLAND.
 ISSN: 1015-8987.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 37

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB The human serine/threonine kinase hSGK1 is expressed ubiquitously with highest transcript levels in pancreas and liver. This study has been performed to determine the hSGK1 distribution in normal liver and its putative role in fibrosing liver disease. HSGK1-localization was determined by in situ hybridization, regulation of hSGK1-transcription by Northern blotting, fibronectin synthesis and hSGK1 phosphorylation by Western blotting. In normal liver hSGK1 was mainly transcribed by Kupffer cells. In liver tissue from patients with chronic viral hepatitis, hSGK1 transcript levels were excessively high in numerous activated Kupffer cells and inflammatory cells localized within fibrous septum formations. HSGK1 transcripts were also detected in activated hepatic stellate cells. Accordingly, Western blotting revealed that tissue from fibrotic liver expresses excessive hSGK1 protein as compared to normal liver. TGF-beta1 (2 ng/ml) increases hSGK1 transcription in both human U937 macrophages and HepG2 hepatoma cells. H2O2 (0.3 mM) activated hSGK1 and increased fibronectin formation in HepG2 cells overexpressing hSGK1 but not in HepG2 cells expressing the inactive mutant hSGK1(K127R). In conclusion hSGK1 is upregulated by TGF-beta1 during hepatitis and may contribute to enhanced matrix formation during fibrosing liver disease. Copyright (C) 2002 S. Karger AG, Basel.

L25 ANSWER 4 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2002:74113 BIOSIS
 DOCUMENT NUMBER: PREV200200074113

TITLE: Cell volume-regulated human kinase **h-sgk**

AUTHOR(S): Lang, Florian [Inventor, Reprint author]; Waldegger, Siegfried [Inventor]

CORPORATE SOURCE: Im Rotbad 52, 72076 Tübingen, Germany

PATENT INFORMATION: US 6326181 December 04, 2001

SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Dec. 4, 2001) Vol. 1253, No. 1.
ftp://ftp.uspto.gov/pub/patdata/. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

ENTRY DATE: Entered STN: 16 Jan 2002
Last Updated on STN: 25 Feb 2002

AB The present invention relates to the cloning and characterization of a human serine/threonine kinase (**h-sgk**: serum and glucocorticoid dependent kinase). The invention furthermore relates to reagents for diagnosing conditions associated with a change in cell volume and/or in "macromolecular crowding" in the body, such as, for example, hypernatremia, hyponatremia, diabetes mellitus, renal failure, hypercatabolism, hepatic encephalopathy, inflammation and microbial or viral infections. The present invention additionally relates to pharmaceuticals comprising the **h-sgk**, nucleic acids which code for the **h-sgk**, or receptors, in particular antibodies, which specifically bind to the **h-sgk**.

L25 ANSWER 5 OF 16 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 2001:922107 SCISEARCH

THE GENUINE ARTICLE: 490MJ

TITLE: Cell volume regulatory mechanisms in progression of renal disease

AUTHOR: Warntges S; Grone H J; Capasso G; Lang F (Reprint)

CORPORATE SOURCE: Univ Tübingen, Inst Physiol, Gmelinstr 5, D-76072 Tübingen, Germany (Reprint); Univ Tübingen, Dept Physiol, Tübingen, Germany

COUNTRY OF AUTHOR: Germany

SOURCE: JOURNAL OF NEPHROLOGY, (SEP-OCT 2001) Vol. 14, No. 5, pp. 319-326.
Publisher: WICHTIG EDITORE, 72/74 VIA FRIULI, 20135 MILAN, ITALY.
ISSN: 1121-8428.

DOCUMENT TYPE: General Review; Journal

LANGUAGE: English

REFERENCE COUNT: 125

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB One of the striking morphological features of renal failure is an increase of cell volume. This review explores the role of cell volume regulatory mechanisms in the pathophysiology of progressive renal disease. The case is made that TGF-beta, a major cytokine involved in the development of progressive renal failure, upregulates the transcription of the serum and glucocorticoid-dependent kinase hSGK1, involved in cell volume regulation. Excessive extracellular glucose concentrations stimulate TGF-beta1 expression and thus similarly enhance hSGK1-transcription. The kinase stimulates two mechanisms important for cell volume regulation, i.e. the renal epithelial Na⁺ channel ENaC and the thick ascending limb Na⁺,K⁺,2Cl⁻ cotransporter BSC1. On the one hand, stimulation of renal tubular transport leads to renal retention of Na⁺, which favours the development of hypertension. On the other, the increase of cell volume stimulates protein synthesis and inhibits protein degradation, contributing to the enhanced net formation and deposition of matrix proteins. At later stages, the increase of cell volume may be reversed to atrophy, and cell death may lead to loss of functional tissue. In conclusion, progressive renal disease is paralleled by deranged cell volume regulatory mechanisms.

L25 ANSWER 6 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:244741 BIOSIS
DOCUMENT NUMBER: PREV200100244741
TITLE: All three isoforms of human serum and glucocorticoid dependent kinase (**h-SGK**) upregulate voltage-gated potassium channels endogenously expressed in HEK293 cells.
AUTHOR(S): Fillon, S. [Reprint author]; Gamper, N. [Reprint author]; Huber, S. M. [Reprint author]; Feng, Y. X. [Reprint author]; Friedrich, B. [Reprint author]; Kobayashi, T.; Cohen, P.; **Lang, F.** [Reprint author]
CORPORATE SOURCE: Institute of Physiology, University of Tuebingen, Tuebingen, Germany
SOURCE: Pfluegers Archiv European Journal of Physiology, (2001) Vol. 441, No. 6 Supplement, pp. R182. print.
Meeting Info.: Joint Congress of the Scandinavian and the German Physiological Societies. Berlin, Germany. March 10-13, 2001.
CODEN: PFLABK. ISSN: 0031-6768.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 23 May 2001
Last Updated on STN: 19 Feb 2002

L25 ANSWER 7 OF 16 LIFESCI COPYRIGHT 2003 CSA on STN
ACCESSION NUMBER: 2002:78612 LIFESCI
TITLE: Cell volume-regulated human kinase **h-sgk**
AUTHOR: **Lang, F.**; **Waldegger, S.**
SOURCE: (20011204) . US Patent: 6326181; US CLASS: 435/194; 424/94.5.
DOCUMENT TYPE: Patent
FILE SEGMENT: W3
LANGUAGE: English
SUMMARY LANGUAGE: English

AB The present invention relates to the cloning and characterization of a human serine/threonine kinase (**h-sgk**: serum and glucocorticoid dependent kinase). The invention furthermore relates to reagents for diagnosing conditions associated with a change in cell volume and/or in "macromolecular crowding" in the body, such as, for example, hypernatremia, hyponatremia, diabetes mellitus, renal failure, hypercatabolism, hepatic encephalopathy, inflammation and microbial or viral infections. The present invention additionally relates to pharmaceuticals comprising the **h-sgk**, nucleic acids which code for the **h-sgk**, or receptors, in particular antibodies, which specifically bind to the **h-sgk**.

L25 ANSWER 8 OF 16 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:756527 HCAPLUS
DOCUMENT NUMBER: 133:325643
TITLE: Antifibrotic formulations containing inhibitors of cell-volume-regulated human kinase **h-sgk**
INVENTOR(S): Lang, Florian; **Waldegger, Siegfried**; Wagner, Carsten; Broer, Stefan; Klingel, Karin
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062781	A1	20001026	WO 2000-EP3578	20000419
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19917990	A1	20001102	DE 1999-19917990	19990420
BR 2000009914	A	20020108	BR 2000-9914	20000419
EP 1171131	A1	20020116	EP 2000-922655	20000419
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542196	T2	20021210	JP 2000-611917	20000419
NO 2001005054	A	20011214	NO 2001-5054	20011017
PRIORITY APPLN. INFO.: DE 1999-19917990 A 19990420 WO 2000-EP3578 W 20000419				
AB The invention relates to medicaments which contain inhibitors or activators of cell-vol.-regulated human serum and glucocorticoid-dependent kinase h-sgk , a serine-threonine kinase. Medicaments of this type contg. staurosporin or chelerythrine are suitable for treating conditions, such as fibrosis, in which an increased or reduced expression of h-sgk is identified.				
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L25 ANSWER 9 OF 16 MEDLINE on STN DUPLICATE 1
 ACCESSION NUMBER: 2001034894 MEDLINE
 DOCUMENT NUMBER: 20508352 PubMed ID: 11052997
 TITLE: Expression of cell volume-regulated kinase **h-sgk** in pancreatic tissue.
 AUTHOR: Klingel K; Warntges S; Bock J; Wagner C A; Sauter M;
 Waldegger S; Kandolf R; Lang F
 CORPORATE SOURCE: Department of Molecular Pathology, Institute of Pathology,
 University of Tübingen, D-72076, Tübingen, Germany.
 SOURCE: AMERICAN JOURNAL OF PHYSIOLOGY. GASTROINTESTINAL AND LIVER
 PHYSIOLOGY, (2000 Nov) 279 (5) G998-G1002.
 Journal code: 100901227. ISSN: 0193-1857.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200011
 ENTRY DATE: Entered STN: 20010322
 Last Updated on STN: 20020420
 Entered Medline: 20001130

AB Transcript levels of the human serine/threonine kinase **h-sgk** have been found to be highest in pancreas. In the present study, localization and regulation of **h-sgk** transcription in pancreatic tissue were elucidated. As was apparent from radioactive in situ hybridization, most pancreatic acinar cells expressed high levels of **h-sgk** mRNA. **h-sgk** mRNA-positive cells were also found in ductal epithelia but not in pancreatic islets. In biopsy specimens from patients with pancreatitis, **h-sgk** mRNA levels were decreased in acinar cells but abundant in numerous mononuclear interstitial cells within areas of pancreatic necrosis and fibrosis. As shown by Northern blotting, **h-sgk** transcription in DAN-G pancreatic tumor cells is upregulated by osmotic cell shrinkage, serum, phorbol esters (phorbol

12,13-didecanoate), and Ca(2+) ionophore A-23187 and decreased by staurosporine and cAMP. In conclusion, **h-sgk** transcription is regulated not only by cell volume but also by serum, protein kinase C stimulation, cAMP, and increase of intracellular Ca(2+) activity. The kinase may participate not only in normal function of exocrine pancreas but also in fibrosing pancreatitis.

L25 ANSWER 10 OF 16 MEDLINE on STN DUPLICATE 2
 ACCESSION NUMBER: 2001067208 MEDLINE
 DOCUMENT NUMBER: 20545973 PubMed ID: 11093030
 TITLE: **h-sgk** serine-threonine protein kinase as transcriptional target of p38/MAP kinase pathway in HepG2 human hepatoma cells.
 AUTHOR: Waldegger S; Gabrys S; Barth P; Fillon S; Lang F
 CORPORATE SOURCE: Institut fur Physiologie I, Gmelinstr. 5, D-72076 Tubingen, Germany.
 SOURCE: CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, (2000) 10 (4) 203-8. Journal code: 9113221. ISSN: 1015-8987.
 PUB. COUNTRY: Switzerland
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200012
 ENTRY DATE: Entered STN: 20010322
 Last Updated on STN: 20020420
 Entered Medline: 20001222

AB The human serum and glucocorticoid dependent serine/threonine kinase **h-sgk** has previously been discovered as cell volume regulated gene. The present study has been performed to elucidate the involvement of p38-kinase in the transcriptional control of **h-sgk** by osmotic cell shrinkage. The p38-kinase has previously been cloned as the mammalian homologue of HOG1 kinase, which constitutes a part of the osmosensor in the yeast *Saccharomyces cerevisiae*. Phosphorylated (active) p38-kinase has been estimated with Western blotting, transcription of **hsgk** using Northern blotting. Both, increase of extracellular NaCl concentration by 50 mmol/l and addition of 10 micromol/l anisomycin increase phosphorylation of the p38-kinase within 5 to 10 minutes. **h-sgk** transcription is upregulated by addition of 50 mmol/l NaCl and by anisomycin (10 micromol/l), effects completely inhibited by the specific p38-kinase inhibitor, SB 203580 (10 micromol/l). In conclusion, the stimulation of **h-sgk** transcription by osmotic cell shrinkage is mediated by p38-kinase. Copyright 2000 S. Karger AG, Basel.

L25 ANSWER 11 OF 16 MEDLINE on STN DUPLICATE 3
 ACCESSION NUMBER: 1999238882 MEDLINE
 DOCUMENT NUMBER: 99238882 PubMed ID: 10220500
 TITLE: **h-sgk** serine-threonine protein kinase gene as transcriptional target of transforming growth factor beta in human intestine.
 AUTHOR: Waldegger S; Klingel K; Barth P; Sauter M; Rfer M L; Kandolf R; Lang F
 CORPORATE SOURCE: Institute of Physiology, University of Tubingen, Tubingen, Germany.. florian.lang@uni-tuebingen.de
 SOURCE: GASTROENTEROLOGY, (1999 May) 116 (5) 1081-8. Journal code: 0374630. ISSN: 0016-5085.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 199906
 ENTRY DATE: Entered STN: 19990618
 Last Updated on STN: 20020420

Entered Medline: 19990607

AB BACKGROUND & AIMS: Recently, the immediate early gene **h-sgk** was cloned as a hypertonicity-induced gene from human hepatoma cells. The aim of this study was to localize **h-sgk** messenger RNA (mRNA) expression in normal and inflamed intestinal mucosa and to identify potential transcriptional regulators. METHODS: **h-sgk** mRNA in small intestinal mucosa from healthy persons and patients with Crohn's disease was determined by in situ hybridization. Transcriptional regulation was studied by Northern blot analysis of total RNA isolated from cultured human Intestine 407, U937, and HepG2 cells. RESULTS: In normal ileum, **h-sgk** mRNA was selectively localized to the apical villus enterocytes, whereas no staining was detected in crypt cells. In Crohn's disease, enterocytes of the crypts expressed **h-sgk** and abundant **h-sgk** positive inflammatory cells appeared in the lamina propria. Combined **h-sgk** in situ hybridization and immunohistochemical analysis of CD68 antigen expression identified a part of these cells as macrophages. In addition to spatial correlation of transforming growth factor (TGF)-beta1 protein and **h-sgk** mRNA expression, **h-sgk** transcription in human Intestine 407 and HepG2 cells as well as in U937 monocytes/macrophages was strongly induced by TGF-beta1 in vitro. CONCLUSIONS: **h-sgk** expression in normal and inflamed intestinal mucosa may be regulated by TGF-beta1 and may contribute to the pleiotropic actions of TGF-beta1 in mucosal cell populations.

L25 ANSWER 12 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1999:527010 BIOSIS

DOCUMENT NUMBER: PREV199900527010

TITLE: Cell volume regulatory kinase **h-sgk** in the pathophysiology of diabetic nephropathy.

AUTHOR(S): Lang, Florian [Reprint author]; Wagner, Carsten A. [Reprint author]; Broer, Stefan [Reprint author]; Melzig, Joerg [Reprint author]; Waldegger, Siegfried [Reprint author]; Steuer, Silvia; Lanzendorfer, Martina; Klingel, Karin; Kandolf, Reinhard; Heidland, August; Capasso, Giovambattista; Massry, Shaul G.; Risler, Teut

CORPORATE SOURCE: Department of Physiology, University of Tuebingen, Tuebingen, Germany

SOURCE: Journal of the American Society of Nephrology, (Sept., 1999) Vol. 10, No. PROGRAM AND ABSTR. ISSUE, pp. 685A. print.
Meeting Info.: 32nd Annual Meeting of the American Society of Nephrology. Miami Beach, Florida, USA. November 1-8, 1999. American Society of Nephrology.
CODEN: JASNEU. ISSN: 1046-6673.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)

LANGUAGE: English

ENTRY DATE: Entered STN: 10 Dec 1999
Last Updated on STN: 10 Dec 1999

L25 ANSWER 13 OF 16 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN

ACCESSION NUMBER: 1998-10366 BIOTECHDS

TITLE: New nucleic acid encoding cell-volume regulating kinase **h-sgk** and related proteins;
enzyme and protein used for diagnosis and therapy of condition related to cell-volume change

AUTHOR: Lang F; Waldegger S

PATENT ASSIGNEE: Dade-Behring-Marburg

LOCATION: Marburg, Germany.

PATENT INFO: EP 861896 2 Sep 1998

APPLICATION INFO: EP 1998-101338 27 Jan 1998

PRIORITY INFO: DE 1997-1008173 28 Feb 1997
DOCUMENT TYPE: Patent
LANGUAGE: German
OTHER SOURCE: WPI: 1998-449109 [39]

AB A nucleic acid (A) that encodes the human cell-volume regulating serum and glucocorticoid-dependent kinase (**h-sgk**) with a given 431 amino acid protein sequence is claimed. (A) has a given 2,370 bp nucleotide sequence. Also claimed are nucleic acids that hybridize with (A) under stringent conditions and encode an active cell-volume regulating kinase, the transcription of which is not induced by fetal cattle-serum or glucocorticoids. Alternatively it can encode a kinase that is not identical with rat-sgk. The claims also cover polynucleotide fragments consisting of bases 980-1,480 of the given sequence that encodes an immunogenic fragment of **h-sgk**. The claims extend to recombinant **h-sgk**, and receptors that specifically bind to **h-sgk**. The new nucleic acids are used to detect (A) by Northern blotting and hybridization. The protein **h-sgk** can be used to detect receptors which can be used to detect and quantify **h-sgk** in immunoassays. This has application in diagnosis and therapy of conditions associated with cell-volume changes, including hyper- and hypo-natriemia, diabetes mellitus, fructose intolerance, Alzheimer disease, etc. (15pp)

L25 ANSWER 14 OF 16 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 4

ACCESSION NUMBER: 1998305122 EMBASE
TITLE: Cloning of sgk serine-threonine protein kinase from shark rectal gland - A gene induced by hypertonicity and secretagogues.
AUTHOR: Waldegger S.; Barth P.; Forrest J.N. Jr.; Greger R.; Lang F.
CORPORATE SOURCE: S. Waldegger, Department of Physiology 1, University of Tübingen, Gmelinstr. 5, D-72076 Tübingen, Germany
SOURCE: Pflugers Archiv European Journal of Physiology, (1998) 436/4 (575-580).
Refs: 35
ISSN: 0031-6768 CODEN: PFLABK
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 002 Physiology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

AB Recently, the cell-volume-regulated serine-threonine protein kinase **h-sgk** was cloned from a human hepatoma cell line. The sgk gene was shown to be induced by cell shrinkage in many different mammalian cell lines. In this study, two highly conserved serine-threonine protein kinases, sgk-1 and sgk-2, were cloned from rectal gland tissue of the spiny dogfish (*Squalus acanthias*). Both kinases showed a distinct pattern of tissue specificity, with high expression levels in kidney, intestine, liver and heart. In rectal gland slices sgk-1 transcription was induced by exposure to hypertonic solution, reduction of the extracellular urea concentration, and addition of the secretagogues vasoactive intestinal polypeptide (VIP) and carbachol. The shark sgk-1 serine-threonine protein kinase may therefore provide a link between cell volume, Cl-secretion and protein phosphorylation state in shark rectal gland cells.

L25 ANSWER 15 OF 16 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 97272242 MEDLINE
DOCUMENT NUMBER: 97272242 PubMed ID: 9114008
TITLE: Cloning and characterization of a putative human serine/threonine protein kinase transcriptionally modified

during anisotonic and isotonic alterations of cell volume.

AUTHOR: Waldegger S; Barth P; Raber G; Lang F

CORPORATE SOURCE: Physiologisches Institut I der Eberhard-Karls-Universitat, D-72076 Tübingen, Germany.

SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 Apr 29) 94 (9) 4440-5. Journal code: 7505876. ISSN: 0027-8424.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-Y10032

ENTRY MONTH: 199705

ENTRY DATE: Entered STN: 19970609
Last Updated on STN: 20020420
Entered Medline: 19970527

AB Hepatic metabolism and gene expression are among other regulatory mechanisms controlled by the cellular hydration state, which changes rapidly in response to anisotonicity, concentrative substrate uptake, oxidative stress, and under the influence of hormones such as insulin and glucagon. Differential screening for cell volume sensitive transcripts in a human hepatoma cell line revealed a gene for a putative serine/threonine kinase, **h-sgk**, which has 98% sequence identity to a serum- and glucocorticoid regulated kinase, **sgk**, cloned from a rat mammary tumor cell line. **h-sgk** transcript levels were strongly altered during anisotonic and isotonic cell volume changes. Within 30 min **h-sgk** RNA was, independent of de novo protein synthesis, induced upon cell shrinkage and, due to a complete stop in **h-sgk** transcription, reduced upon cell swelling. Comparable changes of **sgk** transcript levels were observed in a renal epithelial cell line. **h-sgk** mRNA was detected in all human tissues tested, with the highest levels in pancreas, liver, and heart. The putative serine/threonine protein kinase **h-sgk** may provide a functional link between the cellular hydration state and metabolic control.

L25 ANSWER 16 OF 16 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN

ACCESSION NUMBER: 97:351584 SCISEARCH

THE GENUINE ARTICLE: WV421

TITLE: **h-sgk**, a novel human serine threonine protein kinase, is transcriptionally controlled by cell volume

AUTHOR: Waldegger S (Reprint); Raber G; Sailer E; Barth P; Lang F

CORPORATE SOURCE: UNIV TUBINGEN, D-72076 TUBINGEN, GERMANY

COUNTRY OF AUTHOR: GERMANY

SOURCE: PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY, (NOV-DEC 1997) Vol. 433, No. 6, Supp. [S], pp. P357-P357. Publisher: SPRINGER VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010. ISSN: 0031-6768.

DOCUMENT TYPE: Conference; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 0

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(FILE 'HOME' ENTERED AT 15:11:54 ON 05 DEC 2003)

FILE 'MEDLINE' ENTERED AT 15:12:04 ON 05 DEC 2003

E WEBSTER R/AU

E WEBSTER M K/AU

L1	19 S E3
L2	6 S "AGK"/TI
L3	0 S L1 AND L2
L4	53 S "SGK"/TI
L5	1 S L1 AND L4
	E WALDEGER S/AU
L6	49 S ANISOTONIC/TI
L7	68 S E8
L8	1 S L6 AND L7

FILE 'HOME' ENTERED AT 15:22:07 ON 05 DEC 2003

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 15:54:36 ON 05 DEC 2003

L9	2835796 S SERUM OR GLUCOCORTICOID
L10	12934 S L9 (5W) KINASE?
L11	7514 S HUMAN AND L10
L12	40 S "H-SGK"
L13	7531 S L11 OR L12
L14	5444306 S CLONM? OR EXPRESS? OR RECOMBINANT
L15	6261292 S CLON? OR EXPRESS? OR RECOMBINANT
L16	1008 S L13 AND L15
L17	20 DUP REM L12 (20 DUPLICATES REMOVED)
L18	10065 S L9 (2W) KINASE?
L19	184 S HUMAN(A) L18
L20	166 DUP REM L19 (18 DUPLICATES REMOVED)
	E LANG F/AU
L21	3150 S E3
	E WALDEGGER S/AU
L22	488 S E3-E7
L23	3321 S L21 OR L22
L24	35 S L23 AND L12
L25	16 DUP REM L24 (19 DUPLICATES REMOVED)